Engineer

Sitemap

A browsable index of every page on engineer.company.

The work, the services, the subjects, the notes and the pages themselves — all of it, in one list.

Make information findable

A useful site makes the route to its information understandable.

Explore our services Get in touch →

Follow the relationships between pages

Use this map to inspect the relationships between services, examples and explanations.

Cases Get in touch →

Platform and Data Engineer

- A consistent identity across channels
- Brand communication informed by audience response
- One infrastructure plan for 14 departments
- 30 days of electricity data in 180 ms
- A mapping product, carried end to end
- Infrastructure simplified beyond AWS

Data Engineer

- Made a geographical data pipeline 50x faster
- Improved GIS map performance 10x on PostgreSQL
- Resolved 1,000 issues in geographical data
- Designed and ran 6 ETL/ELT pipelines

Data Analyst

- Built the company's first observability dashboard
- Delivered 8 Power BI projects with manuals

- Released 500 electricity and GIS data reports
- Engineered 600 PL/pgSQL ETL/ELT pipelines

Database Engineer

- Ran 100 PostgreSQL, MS SQL, BigQuery warehouses
- Ran 10 PostgreSQL and MS SQL servers on Ubuntu
- Wrote 1,000 RBAC rules to secure Linux servers
- Accelerated PostgreSQL performance by 10x

DevOps Engineer

- Automated GIS SaaS deployment with GitHub Actions
- Automated delivery of 20 GIS data pipelines
- Automated 100 critical data backups using Barman
- Ran 20 Docker apps on Google Cloud and AWS

Infrastructure Engineer

- Managed 30 Ubuntu Linux VPS instances
- Led access management across M365 and SSO
- Cut operational risk with Grafana and Prometheus
- Managed 8 WireGuard and IPsec VPN connections

GIS Software Development Team Lead

- Led a GIS map application to 10x revenue growth
- Directed full-stack GIS map development
- Estimated 4,000 hours saved, team from 2 to 18
- Optimized forecasting and investment strategies
- Maintained a Hugo site and improved product UI

Product Owner and Project Development Manager

- Presented 200 UI/UX improvements
- Managed 5,000 hours of map development
- Wrote 50,000 words of software documentation
- Gathered and analyzed business requirements

Project Development Manager

- Managed 30 successful GIS projects to delivery
- Led company growth from 4 to 14 employees

GIS Software Development Team Lead

- Improved team communication and collaboration
- Led 30+ GIS projects from build to support
- Contributed to user interface design processes
- Guided company projects through development

Infrastructure Engineer

- Overhauled internal processes, saving 8,000 hours
- Administered network infrastructure
- Established a Technical Support department
- Ran 24/7 support for ~1,000 IPTV/OTT servers
- Built infrastructure that still runs years later
- Integrated a company-wide password manager

DevOps Engineer

- Automated SSL/TLS certs for 100 Docker apps
- Streamlined CI/CD processes, saving 4,000 hours

Data Engineer

- Saved 4,000 hours with GitHub and GitLab CI/CD
- Developed a Data Analytics reporting system
- Automated data processing in Python and PL/pgSQL
- Saved 150 hours a month across 30 projects

Software Engineering Manager

- Managed a team delivering IT support

System Administrator / IT Consultant

- Configured and deployed 1,000 Wi-Fi routers
- Managed 4,000 computer repairs

- Administered 100 Bare Bone servers
- Recovered data from SD cards, HDDs, SSDs and RAID
- Diagnosed and repaired laptop hardware

Full Stack Web Developer

- Developed 100 web applications using HTML/HTML5
- Designed 30 websites from Photoshop to HTML
- Administered 40 websites on Apache and Nginx
- Combined web development with SEO and content

Head of Engineering

- Set a zero-warnings bar across six languages
- Set the platform's founding technical decisions
- Built a 268-check guard engine for the repo

Platform Architect

- A maritime platform with clear system boundaries
- Designed a JSON passthrough from Postgres to API
- Built organization context switching for users

Data Engineer

- Modeled 348 tables across 34 Postgres schemas
- Built first-party analytics inside PostgreSQL

Backend Engineer

- Migrated the API to Huma v2 at 100% parity
- Generated the API contract from the database out
- Built email with failover and delivery logging
- Built Stripe and in-app purchase entitlements
- Moved slow work onto a River job queue

Database Engineer

- Designed a function-first PostgreSQL data layer
- Time-ordered keys for a growing data model

- Implemented a catalogue-driven deep-merge
- 1,022 migrations behind a schema drift gate
- Built a loyalty wallet, leagues and badges

DevOps Engineer

- Provisioned Azure infrastructure as code
- Built GitHub Actions CI/CD pipelines
- Authored 578 go-task automation targets

Site Reliability Engineer

- Owned end-to-end platform deployments to Azure
- Implemented backups and disaster recovery as code
- Built first-party error monitoring and tracing

Full Stack Engineer

- Built the Next.js 16 frontend: SSR, SSG and CSR
- Delivered full Progressive Web App support
- Built an English/Danish i18n system
- Built the operator back-office for the platform
- Built company ownership claims and adjudication
- Built the social layer: posts, feed and groups
- Built the hiring and seafarer career workspaces

Design Systems Engineer

- Designed an iOS 26 'Liquid Glass' design system

UX/UI Designer

- Designed the product's UI and UX end to end

Security Engineer

- Hardened the application with nonce-based CSP
- Built fail-closed rate limiting and anti-abuse
- Ran a continuous security scanning programme

Data Analyst

- Delivered analysis and regular progress reports

Network Engineer

- Kept IPTV streaming signals running non-stop

Web Developer

- Built and maintained Django apps for IPTV

System Architect

- Built the entire core infrastructure from scratch

Process Automation Engineer

- Designed a time-management and reporting system
- Automated team collaboration

Test & Quality Engineer

- Built a test suite across Go, SQL and browser

Site Reliability Engineer

- Public services on a small server
- Backup automation with an explicit restore method
- Built dead-man's-switch host monitoring
- Cut systemd sandbox exposure on every unit
- Built 7 read-only host reporting roles
- Measured 13 addresses with no tracking
- Made six collectors state what they skipped

Infrastructure Automation Engineer

- Infrastructure defined in a repository
- Made Ansible check mode tell the truth
- Added a one-second preflight for secrets
- Ran containers on Podman and Quadlet
- Provisioned a second server from code

Security Engineer

- Three locks on the door, none of them locked
- Hardened SSH to 24 validated directives
- Proved the intrusion ban works every run
- Verified firewall rules by position
- Wrote a scope rule after a credential leak
- Split every operational secret per host

Linux Systems Administrator

- Your code on your own server

Network and DNS Engineer

- Reconciled a 20-record DNS zone as code
- Published a readable Tor onion mirror

Python Engineer

- Built a database-driven CV generator
- Held the generator to 981 tests and 92% coverage
- Enabled every linter rule as an error
- Vendored a QR encoder in 522 lines
- Rehearsed the forge CI hook, found 2 defects

macOS Application Engineer

- Built a native macOS client in Swift 6
- A bounded event pipeline for a macOS app
- Adopted Swift 6 strict concurrency over C
- Wrote a parser verifying every FFI call
- Reached the unused half of the core

Frontend Engineer

- Built a multilingual Hugo site in 3 languages
- Built a 637-line print stylesheet
- Mirrored the site to Gemini and Gopher

- Cut the stylesheet bundle from 87 KB to 31 KB

Build and Release Engineer

- Built a 22-linter commit gate
- A safety net that no longer costs half an hour
- Linted the 10,242-line quality gate itself
- Know the licence of everything you ship

Test and Quality Engineer

- Generated 495 pages from a SQLite export
- Wrote tests for the checkers themselves
- Found the hooks and the gate disagreeing
- Took the test suite to 8.9 seconds

Database Engineer

- Moved every string into a content tree
- Built a cross-language figure check

Design Systems Engineer

- Replaced 27 font sizes with a 6-step scale
- Closed the colour system at 28 colours
- Found the light theme missing a whole layer
- Made the reduced-motion setting honest
- Built a 48-token macOS design system

Brand and Identity Designer

- Built the visual identity from 2 drawings

Accessibility Specialist

- Accessibility checks across 32 pages and both themes
- The accessibility faults your checker misses
- Passed 106 of 106 PDF/UA-1 profile checks
- Named all 17 icons for screen readers

Technical Writer

- Held 4 repositories to one history standard

Content Designer

- Rewrote error messages to stop blaming users

Technical Product Manager

- Ran development as 51 written initiatives
- Put the documentation under its own linter

Digital Presence and SEO Lead

- Replaced 963 metadata blocks with one graph
- Fixed a sitemap with one shared timestamp

Services

- AI Agent Readiness
- Custom AI Agent Development
- AI Data Readiness
- AI Agent Security
- AI Agent Tools & MCP Servers
- Backend & API Development
- Backup & Disaster Recovery
- Brand, Marketing & SEO
- Cloud Infrastructure & Migration
- Containerization & Orchestration
- Data Analytics & BI Dashboards
- Data Governance & Quality
- Data Pipeline Development (ETL/ELT)
- Data Warehouse Design
- Database Administration (DBA)
- Database Design & Modeling

- Database Migration & Modernization
- Database Performance Tuning
- DevOps & CI/CD Automation
- Frontend Development
- Full-Stack Product Development
- GIS & Geospatial Solutions
- Hardware Repair & Data Recovery
- Internationalization & Localization
- Infrastructure as Code
- IT Support & Helpdesk
- Networking & VPN Setup
- Platform & Solution Architecture
- Product Strategy & Requirements
- Project Management (Agile)
- Security & Access Management
- Site Reliability & Monitoring
- System Administration
- Team Building & Mentoring
- Technical Documentation
- Technical Leadership & Consulting
- UI/UX Design & Design Systems
- Website Development & CMS

Categories

- Agile & Scrum
- APIs & Integration
- Automation & CI/CD
- Backend Engineering
- Brand & Marketing

- Cloud
- Containers (Docker/Kubernetes)
- Data Analytics
- Data Engineering
- Data Governance
- Data Pipelines (ETL/ELT)
- Data Warehousing
- Databases
- Design Systems & UI
- DevOps
- Documentation
- Frontend Engineering
- Full-Stack Development
- GIS / Geospatial
- Internationalization
- Infrastructure
- Linux & Servers
- Mentoring & Coaching
- Migrations & Modernization
- Networking & VPN
- Monitoring & Observability
- Performance Tuning
- Platform Architecture
- PostgreSQL
- Product & Requirements
- Project Management
- Python
- Reliability & Backups
- Security

- Solution Architecture
- SQL
- Stakeholder & Reporting
- System Administration
- Team Leadership
- Technical Leadership
- Testing & QA
- UX / UI Design
- Web Development



Blog

- Optimise the database before you shard it
- Selling the last ticket exactly once
- The underline that crossed every letter
- Opening a dApp inside Solana mobile wallets



Glossary

- Acceptance criteria
- Access control
- Accessibility
- ACME
- Alert
- Animation
- Ansible
- API
- App
- ArcGIS
- architecture
- Architecture decision record

- ARIA
- Authentication
- AWS
- axe
- Azure
- Backend
- Backup
- Bash
- Bicep
- BigQuery
- Blue-green deployment
- Business intelligence
- Button
- Cache
- Caching
- Canary release
- Canonical URL
- CDN
- Change data capture
- Change lead time
- Chaos engineering
- CI
- CIDR
- CLDR
- Cloud
- Code quality
- Code review
- Codebase
- Computer file

- Configuration
- Connection pool
- Container runtime
- Content Security Policy
- Continuous delivery
- Contract testing
- Contrast ratio
- Cookie
- Core Web Vitals
- CORS
- Crawler
- cron
- Cross-site scripting
- CSRF
- CSS
- CTE
- CVE
- Daemon
- Dashboard
- Data analytics
- Data lake
- Data lineage
- Data mesh
- Data storage
- Data warehouse
- Database
- Database index
- Database normalization
- Dataset

- Defect
- Definition of done
- Deployment
- Deployment rollback
- DevOps
- DHCP
- Disaster recovery
- Django
- DNS
- Docker
- DOM
- Downtime
- Email
- Encryption
- End-to-end test
- Engineering best practices
- Engineering outcomes
- Error budget
- ESLint
- ETL
- Event sourcing
- Exponential backoff
- Favicon
- Feature flag
- Feed
- file system
- Firewall
- Font
- Forge

- Frontend
- Full-text search
- GDAL
- Gemini
- gemtext
- GeoJSON
- Geospatial
- GIS
- Git
- git hook
- GitHub
- GitLab
- GitOps
- Go
- Google Cloud
- Gopher
- Grafana
- GraphQL
- gRPC
- Hardening
- Hardware
- Health check
- High availability
- Host
- hreflang
- HSTS
- HTML
- HTTP
- HTTPS

- Idempotent
- immutable infrastructure
- Incident
- Incident response
- Information security
- Infrastructure as code
- Internationalization
- IP address
- IPv6
- JavaScript
- JSON
- JSON Schema
- JWT
- Kernel
- Kubernetes
- Landmark
- Large language model
- Latency
- Lazy loading
- Leaflet
- Library
- Lighthouse
- Linter
- Linux
- Load balancer
- Load test
- Localization
- Logging
- Machine learning

- macOS
- Mapbox
- Markdown
- Materialized view
- Metadata
- Metrics
- Microservices
- Migration
- Monitoring
- Multi-factor authentication
- NAT
- Network server
- Next.js
- nginx
- OAuth
- Observability
- Onion service
- OpenAPI
- OpenID Connect
- OpenTelemetry
- Operating system
- Operational secret
- ORM
- Package
- Partitioning
- Password
- Penetration test
- PHP
- Pipeline

- Playwright
- Podman
- Port
- PostGIS
- PostgreSQL
- Postmortem
- Privilege
- Progressive enhancement
- Progressive web app
- Prometheus
- Protocol
- Proxy
- Python
- QGIS
- Quality gate
- Query
- Queue
- RAID
- Rate limiting
- RBAC
- Recovery point objective
- Recovery time objective
- Redis
- Refactoring
- Regression testing
- Regular expression
- Replication
- Repository
- Responsive design

- REST
- Retrieval-augmented generation
- Reverse proxy
- robots.txt
- RSS
- Ruff
- Runbook
- Rust
- S.M.A.R.T.
- Scalability
- Schema
- Screen reader
- Semantic versioning
- SEO
- Server-sent events
- Server-side rendering
- serverless
- Service level objective
- Service worker
- Single-page application
- Sitemap
- Software
- SQL
- SQL injection
- SQL Server
- SQLite
- SSH
- SSRF
- Star schema

- Static site generator
- Structured data
- Stylesheet
- Subresource Integrity
- SVG
- systemd
- Technical debt
- Technical leadership
- Terraform
- Test-driven development
- TLS
- Tor
- Transaction
- TypeScript
- Ubuntu
- UI
- Unicode
- Unit test
- URL
- User
- UTF-8
- Validation
- Vector search
- Viewport
- virtual machine
- VPN
- WCAG 2.2
- Web app manifest
- Web browser

- Web components
- WebAssembly
- webhook
- WebP
- Website
- WebSocket
- WordPress
- YAML
- Zero trust

Menu

- Home
- Portfolio
- Services
- Categories
- Blog
- About us
- Accessibility statement
- Careers
- Cases
- Code of ethics
- Company data ready for AI agents
- Company details
- Contact
- Cookies
- Copyright and reuse
- Credits
- Custom AI agents built for your trade
- Data processing agreement

- Ditte Daryna Sh
- Engineer Company wallpaper
- Engineer in a terminal
- Full introduction
- Glossary
- How we work securely
- Install as app
- Privacy
- Ready for AI agents
- Recommendations for Ditte
- Security for the AI agents you run
- Service levels
- Tech stack
- Terms of business
- Testimonials
- The site in numbers
- Wallpapers
- What it costs
- Why choose us
- Your software as tools for AI agents



Focused addresses

- Database & Data Pipeline Engineering, Copenhagen
- Cloud Infrastructure & DevOps, Copenhagen
- Software Engineering & Architecture, Copenhagen
- Technical Leadership & Consulting, Copenhagen
- Brand, Marketing & SEO, Copenhagen
- IT Support & Hardware Repair, Copenhagen

- Ditte Daryna Sh, Platform & Data Engineer

Map questions to useful content

Start with your audience's questions and the content that answers each one.

See what it costs Get in touch →

Discuss your site's structure

Discuss a site structure that helps people find the next relevant page.

Explore our services

welcome@engineer.company +45 50 10 61 84 Copenhagen, Denmark

Take this page with you

Contact card

Carefully Crafted With Love by D.

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