



Daniel Bermann Schmidt

Software Engineer

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ABOUT ME

Recently graduated backend-focused software engineer with 2 years of production experience in C#/.NET and TypeScript/Node.js. Most drawn to system design and backend architecture - choosing the right patterns, structuring services, and figuring out how the pieces fit together. I work best when I can take ownership of a problem end-to-end, but I value working in a team where ideas get challenged and improved. My time as a teaching assistant also showed me I enjoy helping others get up to speed. Strongest in backend architecture and full-stack development, with solid experience in cloud infrastructure (Azure, GCP) and CI/CD. Outside of work, I dig into quantitative finance and portfolio optimization for fun. Open to roles across Denmark.

EXPERIENCE

EFFIMAT

Student Software Engineer / Intern

11/2023 - 01/2026 · Odense

- Built event-driven IoT monitoring platform in C#/.NET that replaced manual Excel tracking, enabling the service department to manage 140+ incidents with status history, automated notifications, and PDF report generation.
- Architected telemetry pipeline via Azure IoT Hub and Functions, processing ~40K data points daily with zero unplanned downtime since launch.
- Delivered multi-tenant sales configurator (TypeScript, React, PostgreSQL) with enterprise SSO via Microsoft Entra ID, OAuth2/OIDC, and application-layer RBAC.
- Owned CI/CD pipelines, Docker containerization, and Azure infrastructure (App Services, DNS/SSL, custom domains) across multiple environments.

University of Southern Denmark

Teaching Assistant - Cloud Computing

08/2025 - 01/2026 · Odense & Sønderborg

- Guided 140+ students through cloud architecture: Google Cloud Platform (GCP), Docker, Terraform, and infrastructure-as-code patterns.
- Created and graded hands-on exercises covering containerization, cloud deployment with Terraform, service orchestration on GCP, and cloud-native application design.

SKILLS

Languages: C#, TypeScript, JavaScript, Java, SQL

Backend: ASP.NET Core, .NET, Node.js, REST APIs, Entity Framework Core, Prisma, OAuth2/OIDC, JWT

Frontend: React, Next.js, HTML, CSS

Databases: PostgreSQL, SQL Server, Azure Cosmos DB, Redis

Cloud & DevOps: Azure (Functions, IoT Hub, Service Bus), GCP, Docker, Terraform, CI/CD, Azure DevOps, Git, Microsoft Entra ID

Domain: Quantitative finance, portfolio theory, equity valuation

PROJECTS

Odense Boulderklub Platform (Bachelor Thesis)

2025

- Designed and built cloud-native community platform for 200+ member climbing club as bachelor thesis, replacing Facebook dependency with features for chronological feeds, centralized opening hours management, and event coordination.
- Implemented with Next.js, PostgreSQL, Drizzle ORM, and Docker, with a vendor-neutral deployment architecture as a core design constraint.

ITSDU - <https://itsdu.danielz.dev>

2023 - present

- Built cross-platform desktop app (Electron, React, TypeScript) integrating with itslearning REST APIs.
- Implemented RAG-powered document search using LangChain and Qdrant vector database.

EDUCATION

Bachelor of Engineering - Software Engineering

09/2022 - 01/2026 · Odense

University of Southern Denmark (SDU)

HTX - Robot Technology

2018 - 2021 · Slagelse

ZBC - Zealand Business College

Interests: In my free time I enjoy weightlifting, running, cycling, video games, and digging into quantitative finance and portfolio optimization.

Danish (Native) · English (Fluent)

Available immediately · References available upon request