Carl Johan Silvergrund

Senior Full Stack Engineer | UX/UI Design Engineer

PROFILE

Staff Full Stack Engineer with 25+ years of experience building and modernizing enterprise applications. I work across frontend, backend, APIs, databases and cloud infrastructure, combining software architecture with a strong focus on user experience.

My experience includes a decade delivering software for one of Sweden's largest agricultural finance organizations, leading legacy modernization and developing shared platforms, APIs and reusable components. I enjoy turning complex requirements into clear, maintainable solutions that support both the people using them and the teams building them.

I'm comfortable moving between hands-on development and technical leadership: shaping architecture, reviewing code, mentoring colleagues and collaborating with international teams to deliver reliable software.

CORE COMPETENCIES

Frontend
React, TypeScript, JavaScript, HTML, CSS, SCSS, Design Systems, Component Libraries, State Management, Accessibility (WCAG), Performance Optimization, Responsive Design

Backend
Node.js, C#, .NET, PHP, REST APIs, API Design, Authentication & Authorization, Integrations

Architecture
Full Stack Architecture, System Design, Microservices, Distributed Systems, Design Patterns, Legacy Modernization

Cloud & Data
Azure, CI/CD, Infrastructure as Code, SQL Server, PostgreSQL, MongoDB

Engineering & Leadership
Technical Leadership, Code Reviews, Mentoring, Agile Delivery, Scrum, Cross-functional Collaboration

EXPERIENCE HIGHLIGHTS

- **More than 25 years of professional software development experience across multiple generations of web technology.**
- **A decade delivering enterprise software for one of Sweden's largest agricultural finance organizations.**
- **Led modernization initiatives, evolving legacy systems into maintainable applications built with modern technologies.**
- **Designed and implemented shared platforms, APIs and reusable components across multiple enterprise applications.**
- **Worked with distributed international engineering teams throughout the full software development lifecycle.**
- **Connected frontend, backend, data and infrastructure decisions to create coherent solutions across teams.**

CURRENT PROJECT — BAD BOB

Alongside my enterprise work, I'm building BadBob, a native macOS app that brings the computer vision workflow together — from image capture and annotation to dataset preparation, training and comparing AI models.

Bad Bob combines my interests in product design, SwiftUI and machine learning, with a focus on clear workflows and thoughtful details that make complex tools approachable.
Explore: https://badbob.ai

EXPERIENCE

HiQ — Senior Full Stack Engineer | UX/UI Design Engineer

Sep 2016 – June 2026 | Malmö, Sweden / Remote (EU & APAC)

Tech: React, TypeScript, JavaScript, Azure, REST APIs, SASS, CSS3
Additional: C#/.NET, PHP, Node.js, SQL, Databases, IAC, CI/CD pipelines, Bash
Worked in a long-term enterprise engagement delivering, modernizing, and maintaining large-scale business-critical applications for one of Sweden's largest agricultural finance organizations. Contributed to 30–40 enterprise systems across multiple domains and engineering teams.

Designed and evolved scalable full stack architecture using React, TypeScript, C#, .NET, Node.js, APIs, databases, and cloud services. Developed and maintained frontend applications, backend services, APIs, and database solutions.

Built reusable component libraries, shared platforms, and common services adopted across approximately 20 enterprise applications, improving consistency, maintainability, and developer productivity.
Led modernization initiatives, migrating legacy systems to modern full stack architectures that improved performance, scalability, and long-term maintainability.

AGI / Cap & Design — Senior Fullstack Web Developer

Apr 2015 – Sep 2016 | Malmö, Sweden

Tech: PHP, JavaScript, Node.js, CSS3/SASS
Delivered CMS, WordPress themes and plugins
Built modern frontend solutions with supporting backend integrations

LRF Media AB — Senior Web Developer

Jan 2013 – Apr 2015 | Malmö, Sweden

Tech: React, PHP, C#, JavaScript, Node.js, MS SQL, MySQL, Bash, CSS3, LESS, SASS
Built and maintained CMS-based enterprise applications, WordPress themes and plugins
Delivered frontend solutions integrated with REST APIs, backend services and databases

Commentor / Time Key — Senior Web Developer

Okt 2005 – Jan 2013 | Lund, Sweden

Tech: PHP, C#, .NET, Bash, JavaScript, ActionScript, VBScript, MS SQL, MySQL, CSS3
Built CMS platforms and data-driven web applications
Developed UI systems for industrial and analytical platforms

Caral Web & Art Agency — Web Developer / Art Director / Co-Owner

May 2003 – Okt 2005 | Helsingborg, Sweden / Redwood city, USA

Tech: PHP, MySQL, MS SQL, JavaScript, CSS, ActionScript
Developed CMS platforms and client web applications
Combined frontend engineering with UI/UX direction

ABBOTT Scandinavia AB — Web Designer / Web Developer

June 2002 – May 2003 | Helsingborg, Sweden

Tech: PHP, MSSQL, MySQL, JavaScript, CSS
Built internal CMS and web interfaces

JOMED International AB — Web Designer / Web Developer

Jan 1998 – June 2002 | Helsingborg, Sweden

Tech: PHP, MySQL, JavaScript, HTML, CSS, ActionScript
Built CMS and early e-learning systems
Developed interactive web applications