



Rasti Tengman

SOFTWARE DEVELOPER

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☎ Phone number available on request

Professional Profile

Software developer with three years of professional web development experience and a background in Information Technology and Interaction Design and Technologies at Chalmers University of Technology.

I build full-stack and AI-integrated applications using C#, .NET, React, TypeScript, Python and FastAPI. My experience spans modern web development, backend architecture, systems programming, mobile applications and human-centered interaction design.

I work in a structured way, with a focus on clean architecture, test-driven development and maintainable software. My recent work includes a real-time multi-agent AI installation developed as a master's thesis in collaboration with Chalmers and Scionova.

Much of my development experience has been gained in collaborative project environments, including the master's thesis developed with Scionova and multiple team-based software projects throughout my education at Chalmers.

Employment History

Web Developer, Job Generation Center Sweden AB, Gothenburg

Sept 2021 — Sept 2024

Held end-to-end responsibility for the company's website, from UX and visual design to implementation, deployment and ongoing maintenance. Built and maintained the website in WordPress and developed a custom JavaScript job-search widget integrated with an external recruitment API.

Operations Manager & Employment Coach, Job Generation Center Sweden AB, Gothenburg

Sept 2018 — Aug 2021

Managed daily operations and coached jobseekers within an employment programme commissioned by the Swedish Public Employment Service. Coordinated staff, scheduling, performance reporting and internal workflows, while helping lead the team to the highest national provider rating.

Private Tutor (Part-time), StuddyBuddy, Gothenburg

Aug 2023 — Jun 2024

Provided one-to-one tutoring in upper-secondary mathematics and JavaScript/web development. Planned and adapted lessons to each student's level and goals, with a focus on problem-solving, confidence and independent learning.

Education

Master's Programme in Interaction Design and Technologies, Chalmers University of Technology, Gothenburg

Sept 2024 — Jun 2026

A 30 ECTS master's thesis in Computer Science and Engineering in collaboration with Scionova, developing a full-stack, multi-agent AI installation within a collaborative development environment.

Relevant coursework: empirical software engineering, software quality, artificial intelligence, mobile computing, real-time computer graphics in C/C++, and project management. The programme included multiple team-based development projects involving shared architecture,

Git-based workflows, component integration, testing, technical documentation and project presentations.

Bachelor of Science in Information Technology, Chalmers University of Technology, Gothenburg

2013 — 2016

Completed multiple team-based software projects involving shared system architecture, task distribution, Git-based development, component integration, testing, technical documentation and project presentations.

Relevant coursework: embedded systems programming in C/C++, assembly and low-level programming, data structures and algorithms, computer networks and protocols, object-oriented software development, artificial intelligence, databases and web application development.

Technical Skills

C# / .NET	ASP.NET Core / Entity Framework Core
React / Next.js / Vite	TypeScript / JavaScript
HTML / CSS / Tailwind CSS	Python / FastAPI / asyncio
REST APIs	xUnit / pytest
Git / Docker / GitHub Actions	SQL / SQLite / Firebase
LLM Integration / RAG / ChromaDB	C / C++ / Java
Flutter / Dart	WordPress
Azure — Currently Learning	

Links

[LinkedIn](#) [GitHub](#)

Languages

Swedish	English
German	

Selected Projects

Four Philosophers – Live AI Debate Installation

Master's thesis developed with Chalmers and Scionova. A full-stack multi-agent AI system using Python, FastAPI, asyncio, ChromaDB, RAG, React and TypeScript.

Toll Fee Calculator – Full-Stack .NET Application

A congestion tax calculation system with a tested C# domain layer, ASP.NET Core API and responsive Next.js frontend. Built with C#, .NET, xUnit, React, TypeScript and Tailwind CSS.

Taskforge – CLI Task Tracker

A Python command-line application built with layered architecture, UUID-based task identity, JSON persistence, pytest, test coverage and continuous integration through GitHub Actions

References

References available upon request