Sangeeth Roshan

Full-Stack Developer | Artificial Intelligence Student
sangeethroshanek@gmail.com+43 676 477 2718Linz, Austria | Open to relocation zan-keith.github.io

Education

Artificial Intelligence — Linz, Austria • March 2024 – Present
Johannes Kepler University Linz — BSc

Quantum Computing; sponsored by IBM Quantum — Online • October 2020 – May 2021
Frontier Technology Institute / Qubit x Qubit — Programme

Experience

Full-Stack Developer — May 2022 – Present
Freelance — Linz, Austria

- Develop web applications and backend services with TypeScript, React, SvelteKit, Python, FastAPI, Flask and SQL, integrating REST APIs and WebSockets.
- Deploy and maintain Linux services with Docker and CI/CD, and configure client domains, hosting and mailboxes.

Right Ride Cars, UK

- Built booking and administration workflows for a UK transport company, covering direct bookings, quotations and journey records.
- Developed an Android admin app with calendar dashboards and a PHP backend for scheduling and payment workflows, plus an offline-ready admin PWA.
- Addressed Cloudflare proxy origin issues affecting login and logout, implemented a cookie-bound login CSRF token, and added source-level regression checks for token and origin safeguards.

Full Stack Web Development Trainer (part-time) — September 2025 – October 2026
CodeFactory Vienna — Austria

- Taught full-stack web development across frontend and backend, guiding two cohorts through their courses and graduation.
- Covered responsive, accessible interfaces with HTML5, CSS3, Bootstrap, JavaScript, TypeScript and Angular, including components, forms, AJAX and API integration.
- Taught backend development with PHP, Symfony, SQL and MySQL, including database-backed workflows and creating and integrating REST APIs.
- Explained programming concepts and technical decisions to learners, reviewed code and helped debug applications across the frontend, API and database.
- Worked with fellow tutors on course delivery and maintained teaching materials, live-coding recordings and Moodle pages.

IT Assistant (part-time) — October 2024 – August 2025
ÖH JKU — Linz, Austria

- Supported staff with Windows and macOS devices, user accounts and printers. Troubleshot day-to-day issues and fixed bugs in the university website's TYPO3 CMS.
- Developed WhereInJKU, an ÖH JKU-sponsored room-search application with maps, routing services and Cloudflare deployment.

Freelance Web Developer — March 2026 – August 2026
Easterngranary GmbH — Austria

- Built the production website for an Austrian healthcare recruitment company using Wix CMS, JavaScript, Sass and custom PHP plugins.
- Worked directly with the founder on the website's content and requirements. Set up the domain, hosting, business mailboxes and contact forms.

Freelance Web Developer — July 2023 – February 2024
Evagrazia Art Galleria — Australia · Remote

- Developed a digital-art e-commerce web application using Laravel, PHP and PostgreSQL.

Projects

Where In JKU
SvelteKit, Google Maps, routing APIs, Shadcn UI

- Built and deployed an ÖH JKU-sponsored room-search application with a responsive, accessible interface for finding university spaces.
- Implemented Google Maps integration and routing services, deploying the app to Cloudflare Pages with CI/CD.

ContextVault
Python, FastAPI, SQLite, FastEmbed, Jev Decisions AI

- Built a metadata-aware retrieval API with document ingestion, product and version filters, and source references.
- In a project-authored seven-query diagnostic, dense retrieval found all six answerable sources but also returned a no-answer result.
- On a separate project-authored 16-case exploratory test, live Jev matched 16/16 labelled outcomes versus 7/16 for local rules.
- Prototyped cited-answer generation with claim-reference validation and abstention on untrusted decisions.

Cherry-Pick
TypeScript, React, Plasmo JS

- Built a browser extension that identifies shared DOM selectors across selected page elements and generates reusable JavaScript snippets.
- Supports web scraping across pages with similar structures and speeds up repetitive element selection by copying generated snippets to the clipboard.

PrintInKHG
Kotlin, Jetpack Compose, IPP

- Built an Android printing prototype that inspects printer capabilities and submits PDF jobs over authenticated HTTPS.
- Added optional Android Keystore-backed credential storage and documented setup and privacy.

AI Coding-Agent Dashboard
React, TypeScript, FastAPI, WebSockets

- Built a dashboard for inspecting Claude Code, Codex and OpenCode sessions, including logs, model output and parallel workflows.

Wort Wizard
SvelteKit, Supabase, Claude API

- Built an LLM-assisted vocabulary-learning application that generates mnemonic aids, with authentication and database-backed content.

Plantr
Python, TensorFlow, Flask

- Led a team building a crop-recommendation prototype using soil and environmental data, with model predictions exposed through a Flask REST API.
- Placed second at ENVI Hackathon 2023.

Machine Operations Dashboard
React, TypeScript, REST, Docker

- Built a prototype operator dashboard with machine-status filters, detail views and REST-backed maintenance workflows.

STRATUM
Python, SQLite, Alpaca Paper API

- Built a paper-only research and backtesting harness with data collection, deterministic safety gates, reporting and a dashboard.
- Implemented walk-forward research and trading constraints; no live orders.

Playpulse Connect
Godot, GDScript, Android, Python, UDP, ViGEM

- Built a phone-to-PC game controller: the Android app sends button and joystick inputs to a Windows receiver over the same local network, using low-latency UDP and PIN authentication.
- Maps phone controls to virtual gamepad inputs for playing games that support Xbox or PlayStation controllers.

Awards

Second Place, ENVI Hackathon — 2023
ENVI Hackathon

First Prize, Web Design — 2023
Dayapuram Arts & Science College

Skills

Frontend
TypeScript, JavaScript, React, SvelteKit, Angular, HTML5, CSS3, Sass, Tailwind CSS, Bootstrap, jQuery, PWA, Accessibility, Responsive design

Backend & data
Python, FastAPI, Flask, PHP, Symfony, Laravel, REST APIs, WebSockets, SQL, PostgreSQL, MySQL, SQLite, Supabase, Neon

AI & retrieval
TensorFlow, scikit-learn, LLM APIs, Claude API, RAG, FastEmbed, hybrid retrieval, retrieval evaluation

Mobile & delivery
Kotlin, Jetpack Compose, Android, Docker, Git, CI/CD, Cloudflare Pages, Linux, regression testing, CSRF, IPP

Additional
Wix CMS, domain and mailbox setup, Moodle, requirements engineering, technical training

Languages

English
Full professional proficiency

German
Beginner (A1–A2)

Malayalam
Native

Hindi
Intermediate (approximately B1)

Profiles

GitHub
zan-keith

LinkedIn
zan-keith