Farzan **Tinati**

Fullstack software engineer

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Curious and product-oriented full-stack engineer looking for fast-moving startup environments. Designs and ships products end-to-end, from concept to cloud deployment with a strong record of fast prototyping, while writing clean, scalable code and collaborating across disciplines. Passionate about turning ideas into high-impact products.

PROFESSIONAL SKILLS:

Product & Collaboration:

Fast prototyping and MVP development, Cross-disciplinary teamwork with engineers, designers, and product managers, Pre-sales and post-sales technical support and onboarding

Interests:

IoT prototyping with Arduino/Raspberry Pi, 3D printing and CAD/CAM modeling, AI agent automation

Backend:

Python (FastAPI, Pydantic, SQLAlchemy, Alembic, Pytest), Node.js (Express, Knex),

Frontend:

React, Next.js, TypeScript, Vue.js, Three.js, Mapbox, parametric design

Cloud & DevOps:

Terraform (IaC), Docker, GitHub Actions (CI/CD), GCP, AWS, Firebase

WORK EXPERIENCE:

Full-Stack Engineer — Shapemaker

Oslo, Norway - July 2022 - Present

Cloud-based structural engineering design and analysis platform for telecommunication infrastructure

● **Geometric modelling:** Created parametric structural modeling workflows to generate finite element models; Designed and automated cross-section geometry and property calculations to create a flexible system and to reduce system input data complexity.

● **Digital twin**: Built a 2D/3D visualization engine to display and render models in the browser via communication over REST API. This resulted in rendering becoming 4× faster from the initial MVP and created interactive 2D technical drawings of telecom structures.

● **Cross-disciplinary collaboration**: Worked with structural engineers, driving the product from initial concept to a scalable solution while performing structural modeling and analysis by code.

● Built an automated structural-analysis module that eliminated roughly two days of manual preparation per new acquired customer, **reducing data onboarding time and lowering customer-acquisition cost.**

Lead Full-Stack Developer — Justsnap

Istanbul, Turkey - August 2020 - September 2022

Built a configurable campaign-site generator powering 10+ retail promotions monthly.

● **Site-Builder**: Designed and implemented a template-driven rendering engine that accepts configurable campaign data and composes dynamic UI layouts on the fly, powering a site-builder–style platform for marketing campaigns. Integrated interactive dashboards, automated receipt processing, and advanced data-visualization features

● **Chatbot**: Developed configurable Facebook Messenger chatbots, working with various APIs and webhooks to create flexible, scenario-based chat bots

● Integrated payment APIs to fully automate end-user payments.

Earlier roles

(Earlier roles include Full-Stack Developer at Varman, Frontend Developer at Voscreen, and Web Developer at Walltion)

EDUCATION:

● B.Sc. Mechanical Engineering — Azad University of Tabriz

● A.Sc. Computer Software Engineering — University of Shabestar

Projects & Interests

● Hardware Hacking & IoT: Prototyping with Arduino, Raspberry Pi, and 3D printers to automate
and optimize everyday tasks.

● Continuously exploring tools and open-source software and hardware to build meaningful side
projects.