Ozan Tahta

FULL-STACK & AI ENGINEER

Denizli, Türkiye (UTC+3) · Open to remote and relocation · +90 545 864 11 35 · ozantahta99@gmail.com · linkedin.com/in/ozan-tahta · github.com/ozantahta

Full-stack engineer with 4+ years shipping production web platforms end to end — API, interface, container, deploy — and the AI layer on top: LLM-backed features, retrieval pipelines and ML services. Energy Systems Engineering background, with applied ML research on photovoltaic fault detection at Ireland's Tyndall National Institute.

EXPERIENCE

Software Engineer — AI Collaborator

Sep 2022 – Present · Los Angeles, USA (Remote)

- Own features end to end across Next.js, React and TypeScript front ends and Node.js, Express, Django and FastAPI services.
- Run the platform's AWS and GCP side — Cognito authentication and identity flows, S3 and CloudFront delivery, Route 53 DNS — with services containerised on Docker, Kubernetes and OpenShift.
- Integrate generative AI into customer-facing products: LLM APIs, embeddings and retrieval, turning model output into features people can act on rather than demos.
- Work asynchronously across US and European time zones, reviewing code beyond my own layer and shaping architecture decisions with the team.

Research Engineer, Erasmus+ — Tyndall National Institute (IERC)

Jan – Jul 2022 · Cork, Ireland

- Built machine-learning models to detect faults in photovoltaic power systems from plant sensor data, for monitoring and predictive maintenance.
- Developed the full-stack monitoring application the group used to read plant performance and fault analysis — seven live measurement views over a Node and MongoDB service.
- Automated the data-processing and model-deployment workflow, replacing the hand-run notebook steps the team had been repeating.

Product Engineer — Lexington Tech LLC

Aug 2021 – May 2022 · Lewes, USA (Remote)

- Built and maintained headless-CMS eCommerce applications, using GraphQL so each page fetched exactly the data it needed instead of whole resources.
- Developed microservices and third-party API integrations on cloud platforms, and took MVPs from specification to launch.

SELECTED PROJECTS

PV Fault Monitoring — real-time dashboard for a photovoltaic plant, built at Tyndall National Institute: seven live measurement views (array current and voltage, DC bus, three-phase, frequency) over a Node and MongoDB service. React, Chart.js, Tailwind, Firebase.

finapp — personal investing companion built around background agents that produce short, medium and long-term technical analysis for a chosen asset, with a financial-literacy layer beside it. React Native, Expo, Python.

EDUCATION

BSc Energy Systems Engineering — Kocaeli University

Jul 2022 · Kocaeli, Türkiye

Erasmus+ research placement at Tyndall National Institute, Ireland (2022).

CERTIFICATIONS

IBM Full Stack Software Developer · **Anthropic** Building with the Claude API, Claude Code in Action, Model Context Protocol, Agent Skills (2026) · **McKinsey & Company** Forward Program (2023) · **Global AI Hub** AI Summer Camp (2022)

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, SQL
Frontend	Next.js, React, Tailwind CSS, responsive and accessible UI
Backend & data	Node.js, Express, Django, FastAPI, REST, GraphQL, PostgreSQL, MongoDB
Data & AI	TensorFlow, scikit-learn, pandas, LLM APIs, embeddings and RAG
Infrastructure	Docker, Kubernetes, OpenShift, AWS, GCP, CI/CD

LANGUAGES

English — Professional working proficiency · Turkish — Native