DAVIO MARYSON

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FULL-STACK AI ENGINEER

Full-Stack AI Engineer with 10+ years of experience building and operating production-grade, cloud-native applications and 2+ years focused on applied AI, Generative AI, and agentic systems, with a strong focus on deploying scalable, secure, and measurable AI solutions that deliver real business impact. Extensive background in end-to-end system design, full-stack engineering, cloud infrastructure, and close collaboration with business stakeholders.

CORE SKILLS

AI / ML & GenAI
Agentic AI systems, Generative AI, Retrieval-Augmented Generation (RAG), LangChain, OpenAI APIs, prompt engineering, AI integration patterns, decision-support systems

Programming
Python, TypeScript, JavaScript, C#, Java

Backend & APIs
FastAPI, Node.js, ASP.NET Core Web API, GraphQL, Prisma

Cloud & DevOps
AWS, Azure, GCP, Vercel, Supabase, Terraform, Docker, CI/CD (GitHub Actions)

Frontend
React, Next.js, Material UI, Ant Design

Databases
PostgreSQL, MongoDB, SQL Server

PROFESSIONAL EXPERIENCE

Full-Stack AI Engineer

Mar 2026 – Present

Worked on cloud-native and full-stack applications for non-profit and community-driven initiatives, focusing on scalable backend services, modern web technologies, and AI-assisted development tools including Claude Code, Cursor and GitHub Copilot.

Collateral Lending Platform

- Contributed to development of a financial platform for collateral-based lending workflows.
- Worked on backend service integration and business logic implementation.
- Collaborated on scalable architecture and API design.

School Management App

- Developed features for student and teacher management workflows.
- Worked on backend APIs and database integration.
- Improved usability and administrative operations for a non-profit educational organization.

DeutschFlow

- Built features for a German language learning platform.
- Focused on user experience, workflow automation, and learning management functionality.
- Applied modern web technologies and cloud-native development practices.

Technologies: React, Node.js, NestJS, PostgreSQL, Zustand, Prisma ORM, OpenAI API, Tailwind CSS, Material UI, Vite, Docker, GitHub, Supabase, Vercel, CI/CD

Senior Software Developer / AI Product Engineer | in-tech GmbH

Mar 2018 – Feb 2026

- Lead end-to-end design and development of enterprise-grade, AI-enabled web platforms across automotive, chemical, and life-sciences domains.
- Design and operate scalable, cloud-native architectures with a strong focus on reliability, security, and automation.
- Build and maintain backend services, APIs, and full-stack applications using Python, FastAPI, Node.js, TypeScript, React, and Next.js.
- Implement CI/CD pipelines and manage AWS-based deployments using Docker and Terraform.
- Collaborate closely with business stakeholders to translate complex domain requirements into measurable, production-ready solutions.

- Drive engineering best practices and contribute to internal technical forums and knowledge-sharing initiatives.

Selected Projects - **Hybrid RAG AI System:** Designed and implemented a production-style hybrid RAG system combining persistent document embeddings with session-based structured data. Built with FastAPI, LangChain, OpenAI, Docker, authentication, and vector storage. - **Vehicle Task Planning & Tracking Platform:** Cloud-based platform for ingesting and managing vehicle tasks from multiple systems, featuring intelligent task creation, prioritization, and real-time dashboards. Tech stack: Next.js, Node.js, TypeScript, PostgreSQL, AWS, Terraform. - **ECU Software Protection Web Application:** Developed a secure web application to prevent errors in ECU software logistics and configuration, collaborating closely with business users and delivering iterative releases.

Consultant / Software Engineer | Intellect Design Arena Ltd

Dec 2013 – Dec 2017
Onsite: United Kingdom (Nov 2015 – Oct 2016)

- Developed and enhanced financial and wealth-management platforms for a global financial services client.
- Worked across frontend and backend using ASP.NET MVC, C#, and JavaScript frameworks.
- Delivered secure, maintainable, and business-critical systems in collaboration with cross-functional teams.

Software Engineer | Xchanging Solutions Limited

Jun 2011 – Dec 2013

- Contributed to the development and maintenance of enterprise web applications using Microsoft .NET technologies.
- Supported production systems, handled incidents, and ensured application stability following ITIL practices.

EDUCATION

B.E. in Computer Science and Engineering
Anna University, India | 2006 – 2010

CERTIFICATIONS

- Agentic AI – DeepLearning.AI (2026)
- Python for Data Science, AI & Development – IBM (2025)
- Supervised Machine Learning – DeepLearning.AI (2025)
- Microsoft Certified Azure & Data Fundamentals (2021)
- ITIL v3 Foundation (2012)

INITIATIVES & LEADERSHIP

- Organizer and host of internal technical forum “Web Hub” for modern web and AI topics
- Created and delivered internal software development trainings and tech talks

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TOOLS & PLATFORMS

GitHub, Bitbucket, Docker, GitHub Actions, Visual Studio Code, Figma, Jira, ALM Octane

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INTERESTS

Exploring new technologies, Badminton, Football, Chess