

Tomáš Mach

Full Stack Developer | AI-Driven Development

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ABOUT ME

Full stack developer with 3+ years of experience in industrial and SaaS environments. Strong backend foundation in Python and Django, now building across the full stack including React, Laravel, and mobile apps. Passionate about AI-driven development, leveraging AI tools to ship faster and smarter. Quick to adapt, takes ownership, and thrives in fast-paced product teams.

WORK EXPERIENCE

AI Developer (Contractor) 01/2026 - Present

Cleevio Labs, Remote

- UpRate HQ** - AI-powered platform for app review management. Automating review replies at scale to boost app store ratings. Full stack development across the product.
- UpRate Icons** - AI app icon generation service (*icons.upratehq.com*). Built nearly end-to-end as an independent project within the team.
- Working across Python, PHP/Laravel, React, and AI/LLM integrations in a fully remote product team.

Software Developer 10/2022 - 12/2025

Prusa Development a.s., Prague

- Automatic Dosing Unit Calibration** - End-to-end system for filament production. MQTT data collection, stability analysis, calibration factor calculation, automatic Modbus adjustment.
- Server Room Access Monitoring** - Integration of access control, cameras, and internal database. Automatic logs with video documentation.
- Credential Leak Management System** - Django app for IT. CSV processing, employee filtering, Slack notifications.

Cameraman / Photographer 08/2021 - Present

Freelance

- Video and photo coverage of music events and concerts.

Drone Engineer 07/2021 - 10/2022

DronPro s.r.o.

- Development and maintenance of professional drones. DJI Phantom 4 Pro/RTK, Matrice 300 RTK, Zenmuse cameras.

Production Operator 03/2020 - 08/2021

Prusa Manufacturing a.s.

- Operation and maintenance of 3D printers at the production farm.

TECHNICAL SKILLS

Programming

Python (advanced) - Asyncio, Django, NumPy
PHP - Laravel
JavaScript / TypeScript - React

Technologies

MQTT, Docker, Git, Linux
PostgreSQL, Redis
REST APIs, CI/CD

Other

AI-Driven Development
Mobile App Development
3D Printing (expert), Autodesk

EDUCATION

Technical High School Prosek - Mechatronics

2016 - 2022, High School Diploma

LANGUAGES

Czech - Native (C2)
English - Advanced (C1)

PREFERENCES

Remote / Hybrid • Prague