

DAVOR KOMUSANAC

SENIOR SOFTWARE ENGINEER

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SUMMARY

AI-native senior software engineer with 8+ years building mobile-first products in Flutter, plus the web apps and cloud backends behind them. Currently at NEOGOV building HR software for the US public sector, using agentic development and AWS. Previously led startup development at Layer Four, winning a €2M public tender and cutting building energy costs by up to 60%.

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER

Sep 2026 – Present

NEOGOV · Remote (US)

- Build new features for NEOGOV's Flutter HR app for US public-sector agencies, end to end against a .NET and GraphQL backend on SQL Server, tested against the full stack in Docker and released with fastlane.
- Develop AI features on AWS Bedrock with Langfuse for LLM tracing, evals, and observability, and implement Claude skills for the team.

SENIOR SOFTWARE ENGINEER

Jun 2023 – Sep 2026

Layer Four Digital Solutions · Kassel, Germany

- Served as project lead for two startup products (FivEnergy, Zeck): ran client meetings, estimates, roadmaps, and hiring interviews, and set the architecture for a 3-developer frontend team.
- Shipped a smart-home and energy-management platform (Flutter, Next.js) that cut building energy costs by up to 60%.
- Built a custom ArcGIS React app for planning power-line construction across Germany, which won a €2M public tender.
- Made agentic development the team's main driver with Claude Code (custom skills, MCP servers, hooks, subagents), for roughly 3x more merged PRs per week.
- Developed a Mistral geodata assistant that answers natural-language questions about GIS layers, validated against an eval set of real user questions.
- Ran Docker services on per-building Kubernetes clusters on Azure, and built a Codemagic and GitHub Actions CI/CD pipeline that cut release time 30%.

FOUNDER

2022 – Present

Solar Blue d.o.o. · Zagreb, Croatia

- Deliver custom mobile and web apps for clients, from scoping and estimates to release.
- Design, architect, and develop my own mobile apps, most notably Specko, a residency finder for doctors that is live on the App Store and Google Play with active paying subscribers.

SOFTWARE ENGINEER

Sep 2022 – Jun 2023

Infobip · Zagreb, Croatia

- Developed a mobile and web push-notification channel for enterprise clients, including US grocery chains, at 10M+ message scale.
- Maintained the Infobip Mobile SDK across Flutter, iOS (Swift), Android (Kotlin), React Native, and Cordova.
- Automated SDK plugin releases with Jenkins pipelines and Docker build environments for reproducible CI runs.

SOFTWARE DEVELOPER

Feb 2022 – Sep 2022

Cinnamon · Zagreb, Croatia

- Developed the Bots Flutter app for a Dutch fintech with 1M+ downloads.
- Rebuilt the KYC onboarding flow, lifting paid onboarding conversion 4x.
- Authored Flutter guides for the internal Flutter Academy, onboarding new developers.

SOFTWARE TEST ENGINEER

Feb 2021 – Feb 2022

JUNIOR SOFTWARE TEST ENGINEER

Apr 2019 – Feb 2021

AVL · Zagreb, Croatia

- Built automated Python test suites for automotive engineering software (AVL Cruise M, Excite, Boost) used in vehicle engine and powertrain design, with codebases exceeding 1M lines.
- Created automated regression tests that reduced the production crash rate by 10%.
- Wrote Python scripts that ran directly on hardware control units to test software against real devices.

TECHNICAL SKILLS

Programming languages: Dart, TypeScript, JavaScript, Python, Kotlin, Swift, C#, SQL

Mobile: Flutter, Riverpod, BLoC, iOS, Android, React Native, Firebase Cloud Messaging (FCM), RevenueCat

Web: React, Next.js, Storybook, ArcGIS

Backend & Data: .NET, Node.js, GraphQL, REST APIs, SQL Server, Supabase (PostgreSQL), Firebase

AI & Agentic Development: Claude Code (custom skills, MCP servers, hooks, subagents), Claude Agent SDK, AWS Bedrock, Langfuse, LLM evals, Prompt engineering, Structured outputs, LLM APIs (Claude, Mistral, OpenAI)

Cloud & DevOps: AWS, Azure, Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins, Codemagic, fastlane), Git

Testing & QA: Python test automation, pytest, Regression testing, Flutter unit and widget testing

EDUCATION

BSC INFORMATION TECHNOLOGY

2019 – 2023

Zagreb University of Applied Sciences · Zagreb, Croatia

ADDITIONAL INFORMATION

Languages: Croatian (native), English (C2), German (C1)

Achievements: Competed at the state-level mathematics competition four years in a row in high school.

Interests: Reading, Basketball, Volleyball, LEGO sets