Amit Kotlovski

Senior Software Engineer

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SUMMARY

Senior software engineer with over 20 years of experience building backend systems, APIs, developer tools, product/client applications, and blockchain infrastructure. Strong record of broad technical ownership across architecture, implementation, integrations, internal tooling, mentoring, and delivery, often in teams where systems span multiple domains. Recent work focused on Rust-based Ethereum trading and builder infrastructure, with earlier experience in Python backend services, gRPC APIs, real-time LLM applications, Flutter and Android products, Ethereum smart contracts, and professional Python training. Particularly effective in roles that require practical architecture, hands-on delivery, fast learning, and the ability to connect backend, product, tooling, and team practices.

TECHNICAL SKILLS

Languages: Rust, Python, Solidity, TypeScript, Dart, Java, Kotlin

Backend / Infrastructure: Backend Systems, APIs, Microservices, gRPC, FastAPI, PostgreSQL, MongoDB, GCP, AWS

Ethereum / Trading: Ethereum, DeFi, Smart Contracts, Ethereum Trading Systems, Builder Infrastructure

Developer Tools: CLI Tools, Internal Tools, Monitoring, Automation, Agent Workflows

AI / LLMs: Claude Code, Codex, OpenAI GPT, Llama, Whisper, ElevenLabs

Frontend / Mobile: Flutter, Android, Vue.js

EXPERIENCE

Eureka Labs

May 2025 - May 2026

Senior Software Engineer

Tel Aviv District, Israel

Worked on Ethereum trading and builder infrastructure.

- Built Rust-based Ethereum trading systems as part of a small trading team, including backend components, execution workflows, monitoring, and research tooling.
- Developed internal tools for trading operations, monitoring, research workflows, and developer productivity.
- Contributed Solidity and DeFi infrastructure work for Ethereum trading systems.
- Maintained and extended proprietary Ethereum builder infrastructure, working on performance-sensitive block-building workflows.
- Led adoption of agentic development workflows within the trading team using Claude Code and Codex, including custom skills, subagents, and reviewable automation workflows.

Technologies: Rust, Solidity, Ethereum, DeFi, Builder Infrastructure, Claude Code, Codex.

UG Labs

Feb 2022 - Aug 2024

Senior Software Engineer

Tel Aviv-Yafo, Israel

Worked on backend infrastructure and client integrations for real-time, LLM-based interactive applications for children.

- Designed and developed Python backend services and gRPC APIs for Unity, Flutter, and Python clients.
- Built real-time speech-to-speech flows using LLMs, speech recognition, and text-to-speech services.

- Designed a Python-based game DSL managed through a CMS and loaded dynamically by the server.
- Integrated commercial and self-hosted LLMs, including OpenAI GPT models, Azure-hosted models, and Llama models.
- Developed a Flutter demo app for Android and iOS.
- Mentored developers and helped improve code structure, testing, and engineering practices.

Technologies: Python, gRPC, Flutter, Dart, OpenAI GPT, Llama, Whisper, ElevenLabs, GCP, PostgreSQL, Firebase.

BringIt
Jun 2019 - Aug 2025

Founder and Core Developer
Israel

Built and maintained a product for event coordination, alongside consulting and engineering work.

- Developed mobile and web apps using Flutter and Dart.
- Implemented backend services with Firebase and Firestore.
- Managed cloud functions written in TypeScript.

Technologies: Flutter, Dart, Firebase, Firestore, TypeScript, Cloud Functions.

Kyber Network
Jan 2018 - Sep 2019

Software Engineer
Israel

- Developed Ethereum smart contracts as part of Kyber Network's on-chain crypto token exchange.
- Researched and implemented smart contract integrations with third-party liquidity providers, including Uniswap and DutchX.
- Developed Kyber's backend crypto trading server.
- Built offline tools for interacting with smart contracts.
- Developed extensive unit tests in JavaScript using Mocha and Chai.

Technologies: Solidity, Ethereum, Web3.js, Python, JavaScript.

Google Search
Sep 2015 - Jun 2016

Software Engineer, Live Results UI (Contractor)
Tel Aviv District, Israel

Embedded in Google's Live Results UI team, building mini-app experiences for Google Search.

- Launched the new Weather experience in Google Search for Android.
- Developed end-to-end features using Java server-side systems and Android.
- Built internal utilities and tools using Bash and Python.
- Mentored teammates on Android development practices and collaborated with global teams in London and Mountain View.

Technologies: Java, Android, Python, Bash.

INDEPENDENT WORK & TRAINING

Amit Kotlovski | *Python Instructor, Technical Trainer & Mentor* 2012 - Present

Teach professional Python courses for engineering teams, alongside my software engineering work.

- Delivered tens of courses since 2012, including repeated courses at Intel, Samsung, and Microsoft.
- Focus on practical Python, software engineering fundamentals, testing, clean code, and explaining complex topics clearly.
- Still teach a small number of Python courses each year.

SELECTED EARLIER EXPERIENCE

Redkix | *Software Engineer* Sep 2016 - Jun 2017
Built an enterprise Android communications app, introduced Kotlin, RxJava, MVP, and unit testing practices.

WeFi | *Software Engineer and Team Leader* Aug 2009 - Sep 2011
Developed an Android network management client, multi-threaded logic components, and an SDK layer using AIDL for third-party integrations.

Exanet | *Software Engineer* Apr 2007 - Jul 2008
Developed system configuration tools in Python and C++, and integrated Samba with company products.

Check Point | *Software Developer* Jan 2006 - Apr 2007
Developed MFC C++ components and led cross-platform Solaris client work.

EDUCATION

The Hebrew University of Jerusalem | *B.Sc. Computer Science, minor in Philosophy* 2002 - 2006
Student System Administrator for the Life Sciences Department, managing over 500 Windows and Linux PCs.

MILITARY SERVICE

Israel Defense Forces, Intelligence Corps, 8200 | *Haman Talpiot* 1998 - 2002
Managed and designed solutions for the unit’s classification engine.