

# Amit Kotlovski

Senior Software Engineer

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## SUMMARY

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Senior software engineer with over 20 years of experience building backend systems, developer tools, mobile applications, and blockchain infrastructure. Recent work focused on Rust-based Ethereum trading and builder infrastructure, including CEX-DEX statistical arbitrage, Solidity work, and production builder development. Earlier Ethereum experience at Kyber Network connects with a broader background in Python backend systems, cloud services, product engineering, AI-assisted development workflows, and technical mentoring.

## TECHNICAL SKILLS

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

**Blockchain / Trading:** Ethereum, DeFi, Smart Contracts, CEX-DEX Arbitrage, rbuilder

**Backend / Cloud:** gRPC, FastAPI, PostgreSQL, MongoDB, Firebase, Google Cloud Platform, AWS

**AI / LLMs:** OpenAI GPT, Llama, Whisper, ElevenLabs

**AI-Assisted Development:** Claude Code, Codex, agent workflows, skills, subagents

**Frontend / Mobile:** Flutter, Android, Vue.js

## EXPERIENCE

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### Eureka Labs

Senior Software Engineer

May 2025 - May 2026

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 practical adoption of agentic development workflows using Claude Code and Codex, including custom skills, subagents, and reviewable automation workflows.

### UG Labs

Senior Software Engineer

Feb 2022 - Aug 2024

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, Google Cloud Platform, 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.

## **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, Truffle, Python, JavaScript, Mocha, Chai.

## **Google**

Sep 2015 - Jun 2016

*Software Engineer*

Tel Aviv District, Israel

- Worked on the Live Results UI team at Google on generating mini-app experiences for Google Search.
- Launched the new Weather experience in Google Search for Android.
- Developed end-to-end features using Java on the server side and Android.
- Developed internal utilities and tools using Bash and Python.
- Mentored the team on Android development practices and communicated with global teams in London and Mountain View.

## **Amit Kotlovski**

2012 - Present

*Python Instructor, Technical Trainer & Mentor*

Israel

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**

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**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 2006 - 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**

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**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**

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**Israel Defense Forces, Intelligence Corps, 8200** / *Haman Talpiot*

1998 - 2002

Managed and designed solutions for the unit's classification engine.