

Luka Finžgar

SENIOR SOFTWARE ENGINEER

AI agent systems | Mobile products | Development automation

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lukafinzgar.com | github.com/Lukafin | LinkedIn profile

PROFILE

Software engineer with 16 years of iOS and Android experience, including cofounding products and working at Toshi and Nectera. Over the past three years, my personal projects have connected AI capabilities with mobile apps, backend services, agent orchestration and development automation. My strength is making these pieces work together as useful, reviewable systems.

Current Interests & Explorations

01 Agent orchestration & coordination

Personal projects | Conductor and Roj

- **Conductor:** Built a shared iOS, Android and desktop interface with a Python/FastAPI backend for managing agent instances. Explored recurring tasks, voice requests, skills and Android TV output.
- **Roj:** Developed a swarm directory with capability matching, qualification and human review. Its four current swarms review civic website UX, produce educational people infographics, fact-check news and headlines, and track election promises against implementation evidence.
- Added structured handoffs and evidence reviews in Roj, plus initial integrity reporting with temporary quarantine, audit trails and human escalation. roj.world

02 AI-assisted health research & mobile products

Personal project | Health Research Companion

- Built agents to regularly research my daughter's dermatitis, surfacing new research and promising therapies for further review.
- Built a mobile app for AI-assisted health research discovery and generated audio explanations of existing diagnoses and recent research.
- Made Android (Firebase App Testing) and iOS (TestFlight) betas available; designed the app to help users explore information and prepare discussions with their doctor.

03 Development automation

Personal workflows | GitHub Actions, coding agents, Sentry integrations

- Built scheduled research, documentation and maintenance workflows that turn findings into agent-generated repair work.
- Connected Sentry alerts to coding-agent reproduction and proposed fixes; retained human pull-request review.

04 Emerging user interaction

Ongoing interest | MCP Apps and A2UI

Exploring how agents could surface task-specific interfaces when needed, combining conversational workflows with dynamically generated UI. Following MCP Apps and A2UI as emerging approaches to this direction.

Project details and development notes: lukafinzgar.com/blog/

Professional experience

Mobile engineering, product ownership and development practice

Netcetera / Mobile Application Developer | Ljubljana

Dec 2022 - present

Maintain iOS and Android applications across multiple projects. Introduced Kotlin Multiplatform into an existing project and explored AI agents to improve the development process.

Toshl Finance / Mobile Developer

Dec 2018 - present

Developed the Toshl personal finance management app across iOS and Android.

3fs / Mobile Developer

Mar 2017 - Dec 2018

Developed Android and iOS applications for multiple clients.

Umwerk GmbH / iOS Developer

Apr 2016 - Jan 2017

Worked on YOU, a video-streaming iOS application for German broadcaster RTL.

CarLock / Cofounder and Mobile Developer

Jan 2013 - Nov 2015

Planned and developed iOS and Android apps for a connected-car product, presenting driving-style information and data from an in-car device.

Xooltime, Inc. / Android Developer

Mar 2013 - Feb 2014

Developed a tablet learning application for a project where pupils used tablets in place of books and textbooks.

3fs / iOS Developer

Jun 2012 - Nov 2012

Developed an iOS prototype for Povio.

RS5 / KjeSiTaksi / Cofounder and Mobile Developer

Sep 2011 - Jun 2012

Planned and developed an early Slovenian ride-hailing application across iOS and Android.

Odpiralni Časi / Mobile Developer

Jan 2011 - May 2012

Developed Android and iOS applications using Java and Objective-C.

EDUCATION

University degree (pre-Bologna system) | Computer and Information Science

University of Ljubljana

Faculty of Computer and Information Science | 2003 - 2010

ENGINEERING STRENGTHS

Mobile: Swift, Objective-C, Kotlin, Java, Jetpack Compose, Kotlin Multiplatform.

Agent systems: orchestration, agent skills, evidence review and human approval.

Delivery: Git, Bitrise CI, GitHub Actions, automation and product development.

LANGUAGES AND INTERESTS

Languages: Slovenian (native); English (C1-C2); German (basic).

Interests: ambient computing, useful background systems, and cities designed for walking and cycling.