

Uros Radovanovic

Senior Software Engineer — Applied AI

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SUMMARY

Senior Software Engineer & Applied AI Specialist with **9+ years** building scalable systems for **Fortune 500** clients and high-growth product companies. **Google Cloud Professional Architect** with deep expertise in **LLM-powered products, AI infrastructure, and cloud architecture**. Led development of **flagship AI features** – from AI copilots and agents to image generation – shipped to **millions of users**, while cutting **AI inference costs by 50%+**. Specialized in **conversational AI, applied LLMs, fintech, and event-driven architectures**.

TECHNICAL SKILLS

Languages: TypeScript, Python, Ruby, Go, JavaScript (Node.js), SQL

AI/ML: LLM Integration & Orchestration, AI Agents & Workflows, RAG, Prompt Engineering, AI Evals & A/B Testing, Inference Cost Optimization & Caching, OpenAI/Anthropic APIs, Langchain, NLU/NLP, Conversational AI

Backend: Ruby on Rails, GraphQL, REST APIs, Microservices, Event-Driven Architecture, API Design

Databases: PostgreSQL, Redis, Database Design & Optimization

Cloud & DevOps: GCP, AWS, Docker, Kubernetes, Serverless, Performance Optimization

Frontend: ReactJS, Playwright, Modern Web Development

Security: OAuth, JWT, Encryption, PII Handling, Security Architecture

Methodologies: Agile/Scrum, Technical Leadership, Scalable System Design

Certifications: Google Cloud Professional Cloud Architect

EXPERIENCE

Circle

2025 – Present

Senior Full-Stack Software Engineer, Applied AI

Remote

- Rated **“Exceeded Expectations”** in performance reviews for impact, ownership, and delivery velocity across the AI product surface
- Core member of the small engineering team that delivered **Circle AI (Copilot)** and **Circle Eclipse** – the **largest product launch in company history** – bringing an AI partner with **memory, project workspaces, and 50+ specialized skills** to a platform serving **20,000+ communities**
- Led end-to-end development of multiple flagship AI features, including the **AI image generator, skill library, AI agents, and workflow automation**, built on **Ruby on Rails and React**
- Reduced AI inference costs by **50%+** through **smart caching improvements** and optimization of LLM usage patterns, while improving latency and reliability of production workloads
- Designed and ran **experimentation frameworks and A/B tests** (AI evals, user-impact metrics) to validate feature effectiveness and inform product direction
- Researched cutting-edge **LLM advancements, agentic patterns, and tooling**, translating findings into shipped product capabilities
- Partnered with **designers and product leadership** across the full feature lifecycle – defining UX, functional requirements, and technical strategy – while driving a culture of **fast experimentation** and high engineering standards

Rasa

2022 – 2025

Software Engineer

Belgrade, Serbia

- Managed **multiple successful projects** delivering features end-to-end – from client discovery and stakeholder alignment to architecture and delivery – for major **financial, telecom, and insurance clients**, including some of the **top 4 largest US banks**
- Built **core backend services** using **microservices architecture**, writing clean, optimized, maintainable code
- Optimized critical code paths, achieving **20% to 5000% improvements** in latency, durability, and reliability
- Enabled training of **machine learning models** and **AI-driven features** to improve conversational AI capabilities
- Acted as the team’s **subject matter expert in security and access management**
- Led a **cross-tribe reading group** on cutting-edge conversational AI research, fostering collaboration and **mentoring team members**
- Collaborated with **product managers and stakeholders** to translate business requirements into **technical solutions**, providing detailed reports on **market trends and AI/ML advancements**

- Toptal

2021 – 2023

Senior Software Engineer (Freelance)

Remote

- Architected software solutions for **diverse industries**, including **blockchain**, **real estate**, and **physical gold companies**
 - Developed **secure backend systems** using Node.js, PostgreSQL, Redis, and GraphQL with **event-driven architecture**
 - Integrated **AI-driven features** with machine learning models and APIs to enhance system capabilities
 - Managed **client relationships and project delivery** using **Agile methodologies**
- Celsius

2021 – 2022

Senior Software Engineer

Remote

- Implemented, extended, and supported features in **promotional and referral systems**, enabling **40% growth** to **millions of customers**
 - Supported Marketing by deeply integrating the platform with **third-party marketing tools** via **REST APIs**
 - Designed **secure, scalable integrations** handling user PII with **encryption and security architecture**, **commended by security teams**
- Corpustu AG

Jan 2019 – Sep 2019

Software Engineer

Remote

- Developed **AI-powered applications** and **fintech solutions** using trusted technologies
 - Created **API endpoints** and backend services leveraging **AWS and Serverless architectures**
 - Integrated **machine learning models** to enhance application functionality using **microservices design**
- GameCredits Inc.

June 2017 – Aug 2018

Software Engineer

Remote

- Acted in a **team lead role**, delivering crucial features and securing **\$300M in digital currency assets**
 - Built **payment processing** and **digital currency storage systems** focused on reliability and scalability using **blockchain technology**
 - Developed advanced **data handling and processing techniques** to support large user bases with **performance optimization**
- Devana Technologies

Nov 2016 – June 2017

Software Engineer

Belgrade, Serbia

- Developed **secure email services** with a focus on **encryption and data protection**
 - Implemented **protocol-level SMTP/POP3** with strong emphasis on **security architecture and performance**

ACCOMPLISHMENTS

Core contributor to **Circle Eclipse and Circle AI**, the biggest launch in Circle's history, shipping AI features used across **20,000+ communities**

Founded and led **Podino** (2021–2022) as CTO, launching a **profitable marketing service agency** that improved client revenues by **20–40%** and developed multiple **SaaS products achieving high five-figure ARR**

Delivered multiple **AI-driven and scalable software systems**, including conversational AI platforms and decentralized applications

Led **high-profile projects under NDA**, ensuring secure and efficient deliveries for top-tier clients

Enhanced client performance metrics through strategic software solutions and consulting focused on **AI and automation**

EDUCATION

Faculty of Philosophy, Belgrade University
Bachelor's Degree

Belgrade, Serbia
2011 – 2015