

Hamid Farmani

Senior Software Engineer

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Summary

Product-minded Software Engineer with 12+ years of experience building scalable backend systems, driving cloud-native architectures, and leading AI integrations. Proven track record in mentoring engineering teams, optimizing complex systems for reliability and performance, and architecting practical LLM/RAG solutions that deliver measurable business value. Seeking Staff-level opportunities to lead technical strategy, drive cross-team alignment, and build high-performance infrastructure.

Professional Experience

Senior Software Engineer – PayPal, Stockholm

Feb 2026 – Present

- Partnering with Directors and Staff Engineers to define AI strategy, establish usage guidelines, and mentor teams on leveraging AI tools to accelerate development workflows
- Improved the core authentication and permission system by auditing and refining Role-Based Access Control (RBAC) scopes and security policies

Skills: Java, Dropwizard, AWS, Terraform, Claude Code, DataDog, Splunk

Senior Software Engineer – Viaplay Group, Stockholm

May 2023 – Feb 2026

- Led company-wide AI initiatives, hosting workshops and defining architectural patterns
- Architected and deployed end-to-end AI features, including a RAG-enhanced search system, an automated sports data extraction pipeline, and an agent to inform homepage movie curation
- Modernized our frontend stack, reducing CI/CD build times by 70% and shrinking bundle sizes
- Acted as a technical multiplier by consistently mentoring developers, enforcing high code-quality standards, and driving architectural best practices

Skills: Java, Quarkus, LangChain, Vector databases, Camunda, AWS, K8s, MySQL, React, NextJs, Git

Senior Software Engineer – Segula Technologies, Gothenburg

September 2021 – May 2023

- Architected serverless cloud microservices, ensuring uptime and scalability for automotive clients
- Led the implementation of an MQTT broker solution, optimizing customer-to-TCU communication
- Designed and launched an assignment collector tool, increasing internal job application efficiency
- Developed the Employee Package Matcher, improving team formation
- Pioneered the integration of AI technologies (ChatGPT and Whisper) into the backend of an expo robot, showcasing innovation in human-computer interaction

Skills: Java, Spring Boot, Micronaut, Python, React, NextJS, AWS, Azure, MySQL, JUnit, CI/CD, Git

Full-stack developer – EstateGuru, Yerevan (Armenia)

March 2020 – September 2021

- Led the migration of the user onboarding process to microservices, improving system flexibility
- Automated DoD creation, increasing loan manager efficiency by 30% and reducing manual errors
- Revamped the statistics page, enhancing data accuracy and improving system robustness

Skills: Java, Spring Boot, Groovy, Grails, HTML, CSS, JS, MySQL, MongoDB, Git

Software Engineer – Golestan University, Gorgan (Iran)

April 2016 – March 2020

- Engineered a scheduler for faculty groups, achieving a 60% reduction in rework and boosting overall efficiency
- Enhanced educational agriculture applications by integrating customer feedback

Skills: Java, JSF, HTML, CSS, JS, MySQL, Git

Software Engineer – Avihang, Gorgan (Iran)

November 2013 – April 2016

- Designed and developed a Test Management System, streamlining testing processes
- Designed comprehensive test plans and executed automated scripts using JMeter

Skills: Java, JSF, HTML, CSS, JS, MySQL, Testing, JMeter, Git

Projects

ViaPloyee: An internal AI agent that helps new employees in their onboardings.

Sorting Visualizr: Visualize multiple sorting algorithms to enhance understanding.

Home office: Proximity visualization tool to help users understand the time in commute.

WordWise: An AI English Flash card assistant for meanings, synonyms, antonyms, and usage in sentences.

Technical Skills

Languages: Java (primary), Python, JavaScript, TypeScript, SQL, HTML, CSS

Backend: Spring Boot, Quarkus, Micronaut, Node.js, Dropwizard, Serverless

Frontend: React, Next.js, D3.js, Tailwind, Material UI, Mantine

AI/LLM: LangChain, RAG patterns, Vector databases, OpenAI/Anthropic/CoPilot integrations

Cloud & Infra: AWS (Lambda, S3, EKS, ECS, EC2, SQS, SNS, Fargate, OpenSearch, CloudFormation, Route53), Azure (Functions, App Services, Key Vault, Blob Storage), Kubernetes, Terraform, GitHub Actions, Docker

Data & Messaging: MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, Supabase, RabbitMQ

Testing & Quality: JUnit, AssertJ, Jest, JMeter, CI/CD

Soft Skills

- Technical leadership and mentoring of both students and professional engineers
- Strong problem-solving and analytical thinking applied to both legacy systems and new AI solutions
- Clear communication with engineers, product managers, and directors, including running workshops and knowledge sharing sessions
- Comfortable driving change in fast-moving, evolving environments

Education

Golestan University – Golestan, Iran

2013 – 2017

Bachelor's degree in computer engineering (Software)

- Instructor of "Python for Everyone" Course in engineering faculty to CS and non-CS students
- Teaching Assistant for Programming Fundamentals and Advanced Programming across 5 semesters, including helping refine assignments and assessments
- Mentored and guided 20+ students in programming and problem-solving; organized multiple programming contests to increase engagement with computer science