

ENES KAYA

Senior Software Engineer

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Professional Summary

I am a software engineer with over 7 years of experience spanning AI systems, web backend, and embedded software development. My recent work focuses on AI-driven automation and intelligent agent design, building MCP servers, n8n-based AI agents, and custom orchestration pipelines that integrate with OpenAI, Hugging Face, and cloud platforms like AWS.

I specialize in backend development using Python, Flask, and microservice architectures, with a strong command of data engineering workflows leveraging Airflow, AWS Lambda, and Redshift. My foundation in embedded systems includes C++11 on RTOS for surveillance applications and Qt-based GUI tools in the defense industry.

Beyond backend and embedded work, I actively explore mobile app development (Java, Swift, React Native, Flutter), reflecting a deep curiosity for full-stack problem-solving and continuous innovation across platforms. I'm passionate about bridging AI, automation, and scalable software architecture to deliver intelligent, production-ready solutions.

Experience

Crea Inc — Full-Time Software Engineer (Remote)

Jul 2025 - Present, Ankara, Turkey

- Hansel AI Agent: AI Agents, MCP Servers, OpenAI Agents, Hugging Face Agents, LangChain, LangGraph, n8n, Node.js, Python, FastAPI, AWS Elastic Beanstalk, Render

Trendyol — Full-Time Backend Developer

Sep 2024 - Jul 2025, Ankara, Turkey

- Seller Payment: Java, Go, Kafka, Debezium, PostgreSQL, Kubernetes, Docker, Elastic Search, Grafana

Crea Inc — Full-Time Software Engineer (Remote)

Feb 2021 - Sep 2024, San Francisco, USA

- Twitter Agent (Team Lead): Python, Flask, MongoDB, OpenAI, Appsmith
- Cloud Compass (Frontend Developer): React.js, OpenAI Wrapper, Auth0
- Tester App (Mobile Developer): React Native, Appsflyer, Firebase, AdJoe
- Flexdue (Frontend Developer): React.js, Angular
- Lemin Captcha (Full Stack Developer): Python, Flask, RESTful API, Redis, Celery, RabbitMQ, MySQL, CI/CD, Jenkins, Docker, AWS EC2, AWS Elastic Beanstalk, Graylog, Grafana, ETL, Object-Oriented Design, System Architecture, Shopify App Extensions
- Joe The Juice (Backend Developer): Python, Flask, RESTful API, AWS Lambda, Redis, Celery, RabbitMQ, PostgreSQL, Redshift, CI/CD, AWS Fargate, AWS ECS, Airflow, Pandas, ETL, Object-Oriented Design, Agile, Design Patterns
- Mobile Action Ad Intelligence (Full Stack Developer): Python, Flask, RESTful API, Redis, Celery, RabbitMQ, MySQL, CI/CD, Jenkins, Docker, AWS EC2, Graylog, Grafana, ETL, Object-Oriented Design, Agile, System Architecture, Design Patterns

Egemen Tech — Co-founder

Jan 2022 - Aug 2022, Ankara, Turkey

- Software System Design: Python Web Backend, Mobile Application Design
- Technologies: Python, Software Design, System Architecture, React Native, Java, Flutter, Websocket

Aselsan — Full-Time Software Engineer

Jun 2019 - Feb 2021, Ankara, Turkey

- Embedded software development for imaging gimbal systems with C++11 in a Linux environment.
- Testing embedded software with debugging tools.
- Simulator/GUI software development with Qt (C++11).
- Scripting, documenting, maintaining, and conducting research.
- Technologies: Python, CI/CD, SQL (MySQL), C++11, C#, Unix Commands, Git, Jenkins, OpenCV, Matlab, Qt, Object-Oriented Design, UML, Design Patterns

Aselsan — Part-Time Software Engineer (Internship)
Jun 2018 - Jun 2019, Ankara, Turkey

- Embedded software development for imaging gimbal systems with C++11 in a Linux environment.

Attent.ai — Internship
Jun 2017 - Aug 2017, San Francisco, USA

- Web Developer (Chrome Extensions): JavaScript

Desistek Robotics — Internship
Jun 2017 - Aug 2017, Ankara, Turkey

- Software System Design: C++11

Education

Bilkent University — Bachelor's Degree, Electrical and Electronics Engineering
2014 - 2019, Ankara, Turkey
GPA: 3.09 / 4.00 | University Placement Exam: 133rd over 2M participants

Language Skills

- English — Advanced
- Turkish — Native