

Senior Platform Software Engineer

As a Senior Platform Software Engineer at ZaiNar, you will be integral to developing scalable backend services that power 3D positioning and IoT solutions. This role involves leading design and development within AWS, championing best practices, and working within a fast-paced Agile team. You will drive innovation in Python-based backend systems, ensuring high performance, reliability, and cost-efficiency. Join us to shape the future of real-time, location-based technology within a highly collaborative and growth-focused environment.

JOB RESPONSIBILITIES

- Design, implement, and maintain scalable platform services within AWS environments.
- Develop scalable and robust Python-based solutions to support customer features for 3D indoor positioning and IoT device integrations.
- Collaborate with frontend and edge software teams to work within REST and WebSocket microservices, leveraging architecture design models and OpenAPI specs.
- Use metrics to analyze and improve overall performance across microservices.
- Proactively identify and drive improvements to development processes, optimize system costs, and enhance system quality.
- Take full ownership of projects, managing all phases from concept through deployment.
- Have the ability to see the big picture when implementing the small details.

MUST HAVE ATTRIBUTES/SKILLS

- Extensive experience with AWS services, including ECS/EKS, Kinesis/Kafka, and RDS/POSTGRES.
- Prior experience building scalable, fault tolerant distributed microservices in Python.
- Hands-on experience with CI/CD processes, using GitHub and testing frameworks such as Pyunit and Pytest.
- Experience with version control systems (such as Git).
- Familiarity with Linux/Unix environments for backend development.
- Proficiency in system design, including requirements gathering, data scaling, API definition, and evaluating trade-offs of different components.
- Strong communication skills in English, with an ability to clearly interact with team members both in writing and conversation.
- Interpersonal skills and respect for collaborative work discipline within a fast-paced startup environment.
- Flexibility to work within an Agile team based in the US Pacific Time Zone.

SHOULD HAVE ATTRIBUTES/SKILLS

- Bachelor's degree in Computer Science or a related field.

- Experience with OpenAPI, Grafana, Prometheus, and microservice architecture frameworks.
- Experience debugging complex software applications, including performance tuning and profiling.
- Experience with distributed data persistence and processing systems.
- Proven experience with Terraform for cloud deployment and infrastructure management.
- Experience with project management tools (such as JIRA).
- Technical leadership and mentoring experience within a software engineering team.

NICE TO HAVE ATTRIBUTES/SKILLS

- Exposure to building AI related projects like Agentic, MCP servers, or model development.
- Experience with FastAPI for backend development.
- Exposure to IoT device management workflows.
- Experience with machine learning workflows, including data labeling, feature engineering, model training, tuning, deployment, and monitoring.
- Web development or mobile application development experience, particularly with NestJS, React, CSS, JavaScript, REST, or JSON.