

SuwilANJI Silwamba

Software Engineer

WORK EXPERIENCE

Aurora OS (Russia, Remote)

Backend Engineer , January 2024 - August 2024

- Led technical decision-making for sprint planning, story grooming, task and story point assignment with the project manager and stakeholders using Github issues and Confluence to document processes and specifications and ensure timely delivery of tasks.
- Developed a flask API for a location-based server (LBS) for the Aurora operating system.
- Designed and implemented the database to store cell tower data and optimized the database to improve cell tower retrieval speeds.
- Handled the development operations of CI/CD by setting up automated unit tests and employing Ruff and Hadolint to ensure the code adhered to Python coding standards, helping to ensure clean, consistent, and error-free code.
- I documented the codebase comprehensively by creating Markdown files that detail the main setup and functionality, ensuring easy understanding of the project and facilitating contributions. Additionally, I documented the project's architecture with diagrams illustrating module interactions for enhanced clarity.

Stack worked with: Python, Flask,Docker,C++.

Innopolis Labs (Russia, Remote)

Software Engineer, July 2024 - September 2024

- Worked on documenting and testing CheetahML - a platform for deploying and running AI models.
- Revised and optimized the platform's architecture to ensure compatibility with Kubernetes.
- Set up the environment for performance testing.
- Conducted performance testing and evaluated the system's performance based on its current architecture.
- Proposed architectural changes to enable dynamic resource allocation in a running system by redistributing resources between models, resulting in over a 12% decrease in response times.

Stack worked with: Python, Docker, Kubernetes, Prometheus ,Grafana.

CONTACT

Email:

Suwilanjisilwamba@gmail.com

LinkedIn:

<https://www.linkedin.com/in/suwilANJI-silwamba>

Github:

<https://github.com/Suwi-inc>

Website: <https://suwilanji.ru>

SKILLS & TECHNOLOGIES

Programming Languages : Java, Python, C# ,SQL, JavaScript

Databases: PostgreSQL ,Oracle DB, MySQL

Frameworks and other tools:

Spring Boot, Kafka, Redis, RabbitMQ, ASP.NET, React JS, Flask, Fast API, Django, Next JS, Git, Rest API, Docker, Kubernetes, Junit, HTML, CSS

Software Engineering Processes:

Agile, Scrum, Requirements Elicitation and Specification, Architecture Design, Testing

Soft Skills: Team player & Leader, Good communicator, Problem solver and highly analytical

LANGUAGES

English (Native),

Russian (C1)

Neoflex (Russia)

Software Engineer Intern — February 2023 - July 2023

- Designed and Implemented an API for a shopping mobile application using Spring Boot resulting in sub 300 ms API response times.
- Designed the database and administered it throughout the project's lifespan resulting in optimal data retrieval and write times.

Stack worked with: Java, Spring, Postgres.

EDUCATION

Master of Science (M.S.) in Software Engineering, 2025

Innopolis University, Innopolis, Russia .

Relevant coursework: Software Development processes and methodologies, Team management, Requirements Engineering, Continuous Integration and Deployment, Agile methodologies.

Worked in several group projects where I played a team leader and foresaw the software development process.

Bachelor of Science (B.S.) in Software and Administration of Information Systems, 2019- 2023

Voronezh State University , Voronezh, Russia

Relevant coursework: Phase Direction Finder and Radio Waves Simulation, Data Structures and Algorithms.

– Developed proficiency in various programming languages, including C++, C#, Java, Python, and SQL through my various coursework and practical projects.