SUWILANJI SILWAMBA

CONTACT INFORMATION

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Software Developer

I am a highly motivated individual who is passionate about Software engineering and Web Development, I am a Master's student seeking to further my skills and knowledge in the field. I have a strong background in programming languages such Java, C#, C++, JavaScript, SQL and Python. I have a keen eye for detail and a drive to constantly improve. My technical strengths lie in web and desktop application development, computer systems administration and database management while I also possess great non-technical strengths such as great leadership, communication, and interpersonal skills.

EXPERIENCE

Industrial Internship at NeoFlex | 🗓 02/2023 - 07/2023

- 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.

Industrial Work at Aurora OS | 🗓 01/2024 - 08/2024

- Worked as a Python backend developer and a database designer for a location-based server (LBS) for the Aurora operating system.
- Handled the development operations of CI/CD and testing.

Stack worked with: Python, Flask, Postgres, GitHub Actions, C++

SKILLS

Programming Languages: Java | C# | SQL | JavaScript | C++ |Python

Databases: PostgreSQL | Oracle DB | MySQL

Frameworks and other tools: Spring Boot | ASP.NET | React JS | Flask | Fast API | Django| Next JS |Git | Rest API | Docker | Junit | HTML | CSS

CI/CD : Jenkins | GitHub Actions

Software Engineering Processes: Agile | Scrum| Requirements Elicitation and Specification | Architecture Design | Testing

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

Projects

Task Assistant Bot | link to project
I worked in a team of 4 to develop a task assistant application to allow users to manage their daily tasks.
I designed the applications architecture, elicited and specified the requirements, designed and implemented the applications web server and database.
With my work on the API, we were able to reduce the response time of the application by over 50% from 1-1.2 s to under 0.4 s.
Stack: Express JS, React, PostgreSQL, Git

Clip Solver | link to project
I developed a Snipping tool for windows to take screenshots and to extract text from the image in order to subsequently solve any questions or tasks that might be on the image.
Stack: C#, Express JS, Git

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's and practical projects.

Grade 12 Certificate, 2012-2016
St. Paul's Mulungushi Secondary School

LANGUAGES

English
Bemba
Nyanja

REFERENCES

Available upon request.