

Samuel C. Kawuma

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Summary

Recent graduate with extensive experience in software design, development, and maintenance, equipped with a proven track record of updating existing applications, creating innovative websites, and writing efficient code. Demonstrated expertise in integrating Java back-end systems, designing robust databases, and effectively debugging technical errors. Skilled in analyzing large datasets and transforming complex information into actionable insights to drive decision-making and enhance project outcomes. Known for a strong aptitude for quickly learning new technologies and processes, ensuring adaptability in a constantly evolving field.

Skills & Technical Proficiencies

Web Development/Tools: TensorFlow, PyTorch, Scikit-Learn Hibernate, Spring Boot, Spring JPA, Spring Core, Spring MVC, Spring RESTful API, Micro Services Servlet, Agile, CI/CD, Vue, React, Angular, AWS EC2, S3, RDS

Data/Data Processing: MySQL, Kafka, SQS, Postgres, RabbitMQ

Containerization Ecosystem: Docker, Kubernetes

Programming Languages: Core Java, Java8, MySQL, JavaScript, HTML, CSS, Typescript, Python, PostgreSQL

Operating Systems: Mac OS, Windows, & Linux

Education

Master of Science in Computer Science, Merrimack College, North Andover, MA December 2024
Bachelor of Science in Computer Science and Mathematics, Salem State University, Salem, MA May 2022
Associates of Art in Liberal Arts, Bunkerhill Community College, Charlestown, MA May 2018

Professional Experience

Web Developer Internship, Cogent InfoTech, Pittsburgh, PA 9/2022 – 5/2023

- Executed code documentation and debugged issues to maintain and update software applications.
- Tracked research and debugged software issues related to JavaScript, Java, Typescript errors.
- Collaborated with highly experienced software engineers to design new software and update existing applications.
- Developed modern web-based banking applications using Java 8, Angular and AWS.
- Examined technical performance of internal systems to detect and debug issues.
- Communicated with customers to understand program demands and develop applications accordingly.
- Responsible for creating and maintaining Concourse CI/DC pipelines for the deployment of our applications.
- Provided security screening with Data Dog, ensuring that the entire process was efficient and streamlined.
- Key achievements include:
 - Created and executed software applications for Banking website development in accordance with industry technical standards.
 - Upgraded program applications by acquiring knowledge of codebase and improving coding skills.

Academic Projects

Pastry Management Website, Full Stack Web Development February 2023

- The objective of this project was to enhance the booking process for a pastry shop, particularly during high-demand periods such as December.
- The newly developed system streamlines the management of customer orders by integrating them into a computerized format. This innovation not only expedites the billing process, allowing customers to receive their invoices in a timely and efficient manner, but also securely stores data in a database for future reference.
- The software was developed using Angular for the frontend, Spring Boot for the backend, and MySQL for database management. The architecture of the system is based on a 3-tier approach, which consists of the Presentation/Client layer, the Business Logic layer, and the Database layer.
- The client layer was crafted using Visual Studio, while the user interface was developed in Angular. The primary programming languages employed for creating the Angular components were TypeScript and JavaScript. Additionally, HTML, Node.js, Bootstrap, and CSS were utilized to design the frontend of the website, ensuring a user-friendly experience.

Pi Car-V Driverless Car, Artificial Intelligence, Robotics and Computer, Vision

April 2021

- The PiCar-V is an innovative open-source robotics. My project objectives were to Analyze features Of the Speed Limit Sign.
- One of the standout features of the PiCar-V is its integration of OpenCV technology with Raspberry Pi.
- This cutting-edge capability enables the vehicle to use the video data coming in to identify the speed written on the signpost and then using OpenCV technology with the Raspberry Pi to detect the Speed limit sign to make the car drive according to the speed read by the camera.

Customer Churn Prediction in a Bank, Data Science and Machine Learning

November 2021

- The project involved the development of an extensive dataset, coupled with a well-defined predictive model.
- The application serves as a valuable tool for understanding customer behavior and retention strategies.
- This initiative not only showcases the practical application of data science and machine learning within the financial sector but also emphasizes the importance of leveraging technology to enhance customer engagement and satisfaction. By predicting customer churn, banks can proactively address issues and improve their services, ultimately fostering a more loyal customer base.

Additional Work Experience

Instructor/Supervisor (Relief Staff), Evergreen Center, Milford, MA

2016 – Current

Personal Care Assistant (Relief Staff), Advocates, Framingham, MA

2019 – Current

Preload Supervisor, UPS, Watertown, MA

2014 – 2016