

Loudwige Odice . Jarvis Consulting

I am a software developer passionate about building scalable, resilient, and secure applications. I have a bachelor's degree in computer science and spent two years in a master's program doing research in software requirements engineering. My experience in the field includes two internships where I learned about desktop application development using Core Java, two web applications in Ruby using Agile methodology, service-oriented architecture, and service security. In my spare time, I work on personal projects using Spring Boot. I am currently part of the Jarvis Software Development Program as a Junior Software Developer, working on several applications allowing me to hone my skills in the most sought-after technologies in the software development industry. Outside of school and work, I enjoy sharing my knowledge. In 2017, I volunteered as the coordinator of an IT project where I created a learning program to help children gain computer science skills. In 2021, I was a teaching assistant in a C++ data structures and algorithms class.

Skills

Proficient: Java, IntelliJ, Maven, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

Competent: Spring Boot, Ruby, SOA, REST API, MVC, Docker

Familiar: Python, JavaScript, React, Test-Driven Design, Domain-Driven Design, Microservices

Jarvis Projects

Project source code: https://github.com/Jarvis-Consulting-Group/jarvis_data_eng-loudwige

Cluster Monitor [GitHub]: Developed Bash script to monitor a cluster, collecting hardware and resource usage data from every machine and storing it in a PostgreSQL database. Created two tables in PostgreSQL to store hardware specifications and resource usage data. Automated data collection with crontab, running every minute, and utilized Docker to manage the PostgreSQL instance. Tested and deployed the application, ensuring the expected table structure and data storage.

Core Java Apps [GitHub]:

- Twitter App: Not Started.
- JDBC App: Not Started.
- Grep App: Not Started

Springboot App [GitHub]: Not Started

Python Data Analytics [GitHub]: Not Started

Hadoop [GitHub]: Not Started

Spark [GitHub]: Not Started

Cloud/DevOps [GitHub]: Not Started

Highlighted Projects

Jobifyy [GitHub]: Designed and developed a resume analysis web application using Ruby, SQLite3, and agile methodologies. Utilized layered architecture and domain-driven design to ensure scalability and maintainability. Implemented test-driven development for quality assurance and Docker deployment for seamless deployment.

EtaShare [GitHub]: Designed and implemented a secure web application for file sharing using a distributed architecture and IT service security dimensions such as token-based authentication, encrypted cookies, client-side policies, and Google SSO. Technologies utilized include Ruby, Slim, CSS, SQLite, Git, and Github, with an Agile methodology and automated testing to ensure a high-quality product. Conducted database hardening to further enhance security measures.

Professional Experiences

Software Developer, Jarvis (2023-present): As a junior software developer, I utilized various technologies including Linux, Java, RDBMS, SQL, Javascript, React, Docker, Python, Hadoop, and Spark/Scala to develop multiple applications and perform data analysis. I worked in an Agile environment and adopted the SCRUM methodology for project management.

Teaching Assistant, National Yang Ming Chiao Tung University (Mar 2021- Jul 2021): Collaborated with other teaching assistants to assist 93 students with their programming lab assignments. Provided clear explanations of assignment requirements and answered questions to ensure students' comprehension. Participated in grading students' programming assignments and final projects, using rubrics to ensure consistent evaluation. Engaged in discussions with fellow teaching assistants to clarify assignment and project concepts, ensuring a cohesive and effective learning environment for students.

Intern, World Vision International (Nov 2018- Feb 2019): Collaborated with a team to develop an application that uses call data to generate monthly reports for payment to the VOIP service provider. Analyzed user needs to determine technical requirements and utilized Java, MySQL, Bootstrap, and JavaScript to implement the solution.

Intern, HELP (Jul 2017- Dec 2017): Developed and managed the software development life cycle of a Java-based student attendance management system that decreased tardiness by 95%. Utilized Java, MySQL, Bootstrap, and JavaScript technologies to build the system, ensuring adherence to project requirements and deadlines.

Education

Ecole Supérieure d'Infotronique d'Haïti (2014-2018), Bachelor of Computer Science, Computer Science - MOFA Taiwan Scholarship - Dean's List (2014, 2015): Top 5 in class

National Yang Ming Chiao Tung University (2020-2022), Master of research in Software Engineering, Electrical Engineering and Computer Science

Miscellaneous

- To be added
- Clinton Global Initiative For university top 50 best projects
- Reading
- Women Who Code member
- Volunteer, HELP: IT Project Coordinator