Isaya Danice

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EDUCATION

Florida Institute of Technology   **Melbourne, FL**
Bachelor of Science in Computer Science   December 2024

EXPERIENCE

eBiashara Africa Ltd   **Nairobi, Kenya**
Software Development Intern   June – August 2023
- Designed and implemented system architecture using **Django** and **Python**, ensuring scalability and high performance for a growing user base.
- Developed and integrated **RESTful APIs** for seamless communication between front-end and back-end, improving data retrieval times by 25%.
- Deployed applications on **Google Cloud**, ensuring high availability and performance, and managed services such as **Firebase Authentication** for secure user login.
- Wrote unit and integration tests using **Jest** and **Mocha**, achieving 90% test coverage and reducing post-release bugs.
- Managed project tasks and tracked progress using **Jira**, ensuring timely delivery of features and improving sprint planning efficiency.

YoFinVoice   **Nairobi, Kenya**
Web Development Intern   May – August 2022
- Built and maintained web applications using React.js, Node.js, Express.js, and DynamoDB, leading to a 20% increase in user engagement.
- Conducted code reviews and participated in Agile Scrum, improving code quality and team productivity.
- Automated build and deployment pipelines with **GitHub Actions** and **Docker**, reducing deployment errors.
- Improved front-end load times using **Webpack** and optimized back-end APIs, reducing response times by 20%.
- Conducted 30+ unit tests to ensure feature functionality and compliance with project requirements.
- Supported senior developers implement **JWT** authentication, **OAuth2** integration, and performed security audits, reducing vulnerabilities by 25%.

PROJECTS

Collaborative Control of Autonomous Cars
CARLA
- Designed and implemented a system within the CARLA Simulator to enable seamless transitions between self-driving and human-controlled vehicle motion in autonomous driving scenarios.
- Enhanced human-vehicle collaboration, improving safety and reliability in simulated environments for real-world applications.
- Ensured the self-driving system retained control over navigation and monitoring during human operation.

Movie Web Application
MERN
- Developed a full-stack movie database application using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Implemented user authentication with session management and a responsive card-based UI.
- Categorized movies by genre, allowing users to like/unlike movies.
- Deployed on AWS EC2 with seamless front-end and back-end integration

SKILLS

Programming Languages: Python, Java, C++, TypeScript
Front-End: React.js, Angular, Redux, Webpack, HTML5, CSS
Back-End: Node.js, Express.js, Django, Python
Databases: DynamoDB, MySQL, MongoDB
CI/CD & Deployment: Google Cloud, GitHub Actions, Docker, AWS EC2, Heroku
Authentication: Firebase Authentication, JWT, OAuth2
APIs: RESTful APIs
Testing: Jest, Mocha
Project Management: Jira
Soft Skills: Problem solving, Teamwork, Attention to detail, Time management, Creativity, Communication

CERTIFICATIONS & AWARDS

- **AWS Cloud Practitioner Essentials** – Amazon Web Services
- **SQL** – HackerRank
- **Front End Development Libraries Certification** – CodeCamp
- **Dean's List** - Florida Institute of Technology, 2020 - 2022