Serge Francis Ineza Nzivugira

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SKILLS & COMPETENCIES

Technical: C++, Java, JavaScript, React/Redux, HTML5, CSS3, Python 3, SQL (MySQL, PostgreSQL)

- Software Development
- Testing Cycles & Processes
- Project Management
- Data Collection & Analysis
- Program Implementation
- Stakeholder Relationships

WORK EXPERIENCE

Compass North | Lincoln, NE   Feb 2022 - Present
Software Engineering Intern
- Working on the development of a startup mobile and web application for a flight tracking system for pilots using React Native and NESTJs.
- Reviewing code and conducting testing for features on the front-end and back-end side of the application
- Building extensive test coverage for all new features, improving security and loading times.

National Drought Mitigation Center | Lincoln, NE   Sept 2021 - Present
Computer Programming Intern
- Responsible for writing maintainable and extensible code in a team environment for various client sponsored projects.
- Utilize programming languages such as C++, Java, React, Python, and HTML5, including supporting infrastructures like AWS and Terraform.
- Establish compatibility with third party software products by developing program for modifications and integration.
- Present results and findings to internal business stakeholders, identifying ongoing improvements in data quality, design reports, and supporting coding efforts.
- Worked alongside another developer to implement RESTful APIs in Java and Django, increasing internal analytics reporting speed by 20%.

Frontier Cooperative | Lincoln, NE   May 2021 - Aug 2021
Software Engineering Intern
- Engineered modern applications with C++, Java, JavaScript, Python, and HTML5/CSS.
- Utilized TypeScript, React, GoLang, GraphQL, and a plethora of AWS services.
- Co-led the company's move from AWS to Google Cloud Platform, which resulted in an annual savings of $250,000
- Participated in a team of 4 software developers in designing improved software using algorithms to match users to products, improving retention and user experience by 5%.
- Presented software development and lifecycle reports to CTO and CEO with 2 other interns, receiving recognition for design ideas and implementation

EDUCATION

University of Nebraska-Lincoln | Lincoln, NE   Aug 2019 - Present
Bachelor of Science in Computer Science (GPA: 3.76)

Relevant Coursework:
- Object-Oriented Programming, Data Structures and Algorithms, Linear Programming

Personal Project - Cryptocurrency Trading Bot:
- A trading bot to automate trading strategies using Python and Java with a simple graphical user interface
- Used REST and WebSocket APIs to connect to two of the most popular crypto exchanges in the world