CHARLES ALEXANDRE C. NORRIS

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SUMMARY

A detailed-oriented Software Engineer/Problem Solver with Practical experience developing complex, scalable three-tier applications in Java, Python, JavaScript and database development using relational and document-based architecture. Possessing practical know-how on scalable development while leveraging CI/CD pipelines, microservices and cloud infrastructure. Proactive learner with a Strong Linux foundation with a keen interest in automation and API Development.

EDUCATION

***George Mason University: College of Engineering and Computing** – Fairfax, VA*   **Expected Graduation: May 2025**
Bachelor of Science, Information Technology
Concentration: Database Technology & Programming   **GPA: 3.37, Dean's List Fall 2022**
Recipient of: George Mason Merit-based Undergraduate Scholarship awarding $10,000/year.

EXPERIENCE

Amazon X Codepath Mentee – Amazon, Arlington Virginia, United States · Onsite   **Jan 2025 - Present**
- Engaging in one-on-one 10 weeks mentorship with senior software engineers, an initiative designed to gain insight into technology and enhance career growth.
- Gained Practical Technical expertise in **System Design, Scalable Architecture** and **Software Engineering** best Practices.
- Received Guidance on strategic problem solving through hands-on project and personalized guidance.

Sales & Marketing Analytics Associate – District Haiti LLC, Washington D.C   **Aug 2022 - Present**
- Scripted **data extraction** procedure**s reducing** manual data entries by 50%.
- Business intelligence reports developed in **Power BI**, leading to a 30% increase in lead generation and Online Marketing Funneling.

Software Engineer Intern - George Mason University, Fairfax County VA   **May 2024 – Aug 2024**
- Worked in an agile environment with a Team of Intern to conceptualize and Develop the Exam Bank Project, a web application designed to streamline exam management for college professors. The application features a React.js frontend, a Flask backend API, and a MySQL database.
- Conducted Code Reviews, Optimized Insertion and Retrieval Queries to meet scalability requirements ensuring scalability

PROJECT

OpportunAI: Job Tracking Application   **Dec 2024 - Present**
- Built an LLM powered Job tracking system by integrating OpenAI models to assist in resume tailoring and applications optimization. Implemented **Flask Backend** with **API integration** for Data Retrieval
- Developed a **job tracking feature**, automating job application management.

Open-Source Contributions – Airbyte, ZenML, DocsGPT   **Oct 2024 - Present**
- Contributed to **Airbyte**, optimizing setup.py to improve dependency management, and conducting code reviews
- Enhanced **AzureArtifactStore in ZenML**, adding support for DefaultAzureCredential authentication.
- Improved **DocsGPT Dockerfile**, optimizing installation and reducing build time by **30%**.

PUBLICATIONS

Academic Textbook Contributor – *Operating System Concepts*
Publisher: Great River Learning | ISBN: 9781684784592
- Collaborated with Professor James Holdener to develop educational materials for the textbook Operating System Concepts.
- Credited in the Acknowledgements/Contributor section. Textbook adopted as required reading for undergraduate courses.

SKILLS

- **Programming Languages**: Java, Python, JavaScript, TypeScript, C#
- **Databases**: SQL Server, NoSQL, MySQL, PL/SQL, MongoDB
- **Development Frameworks**: React.js, Vue.js Flask, Django
- **DevOps & CI/CD**: GitHub, Docker, Kubernetes
- **Testing & Debugging**: JUnit, Pytest, Postman
- **Certifications**: *AWS Certified Cloud Practitioner*

ACHIEVEMENTS & ACTIVITIES

- **Google Developer Program**
- **GitHub Professional Developer Program**
- Member of Open-Source Organization – **CollabHub Frontend**