Noel Ugwoke

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EDUCATION

University of Calgary   **Calgary, Alberta**
BSc Computer Science   *September 2016 - May 2021*
Bow Valley College   **Calgary, Alberta**
Diploma Software Development   *May 2015 - August 2016*

SKILLS

- **Web Development:** HTML, CSS, REST/GraphQL, JSON/XML, Node.js, OAuth/JWT, Postman and Swagger.
- **Programming Languages:** Java, C#, .NET, Python, Ruby, C++, Flutter, React, LUA, JavaScript, Angular, Vue
- **Software Development Tools & Platforms**: Git, GitHub, Visual Studio, VS Code, Power BI, SAP, Tableau.
- **Database Management:** RDMS, SQL, MySQL, ETL, Oracle, MongoDB, PostgreSQL, SQLite, MariaDB.
- **CI/CD Tools & Version Control:** Git, GitHub, Bitbucket, Jira, Jenkins, CodePipeline and CodeDeploy.
- **Cloud Computing & Machine Learning**: AWS, Azure, GCP, IBM Cloud, Model Training and PyTorch.

EXPERIENCE

Application Specialist/Systems Analyst – APEGA   *December 2022 – Current*

- At APEGA, I analyzed system requirements and implemented scalable solutions that improved application processing times by 10% and significantly reduced membership processing delays through effective troubleshooting and issue resolution. By optimizing system workflows and streamlining business processes, I enhanced application performance by 25%. This was achieved through the implementation of automated workflows, APIs, and integrations, which led to increased productivity and efficiency across the board. My responsibilities also included managing data migration between system upgrades, ensuring data integrity and consistency. I collaborated with cross-functional teams to identify system requirements, develop test cases, and perform system analysis to identify areas of improvement. Additionally, I documented and communicated technical processes, supporting end-users, and providing training to ensure smooth transitions during system changes.

Plant Web Specialist/DevOps Engineer – Spartan Controls   *July 2021 – November 2022*

- In my role at Spartan Controls, I was instrumental in setting up the entire DevOps system, which involved configuring CI/CD pipelines, automating deployments, and ensuring seamless integration across various platforms. I collaborated with the Blue Marvel AI team to establish a reinforced learning procedure, optimizing the AI models for better predictive maintenance and operational efficiency. I designed, developed, and deployed WebApps for monitoring fluid distribution systems, integrating PowerBI for real-time data visualization. Managing these apps with Docker and Kubernetes ensured high availability and scalability. By implementing DevOps practices, I reduced deployment time by 40%, providing actionable insights into system performance, fluid levels, and equipment health, which optimized maintenance and overall efficiency. I also developed Django applications for the field teams, to monitor and track data from device installations across sites, ensuring accurate and timely data collection. Additionally, I implemented automated data collection integrated with existing SCADA systems, reducing manual data entry by 70% and decreasing downtime by 20%.

Software Developer/Data Analyst – Parkland Fuel Corporation   *May 2020 – January 2021*

- At Parkland Fuel Corporation, I developed and maintained scalable full-stack web applications using Java, Python, SQL, and AWS, ensuring high availability and performance. I implemented Agile methodologies for rapid iterations and continuous improvement. I also designed intuitive web-based dashboards that improved system usability by 30%, providing real-time insights into performance, sales, and customer behavior. Additionally, I integrated React and Angular to create responsive, user-friendly interfaces, enhancing user experience by 40%. I also built a Gas Station Traffic Projector app using SQL and Python, which improved resource allocation and inventory management. Technologies used included AWS and PowerBI.

Web Developer – Alberta Health Services   *January 2018 – May 2020*

- I contributed to the development of custom web applications and digital tools using Java, Python, SQL, and AWS, ensuring security, high availability, and optimal performance. I designed user-friendly appointment booking interfaces with modern frontend frameworks, improving user experience by 20% and substantially reducing wait times. I also developed monitoring dashboards that provided real-time healthcare data insights, enhancing system usability and enabling data-driven decision-making. Additionally, I created a secure, web-based Vaccine Booking System that streamlined appointment scheduling with real-time availability data. Technologies used included Java, React, and AWS.

CERTIFICATIONS

- IBM Cloud Cert. | AWS Cloud Practitioner | IBM AI Engineering Professional | Google Cloud Dev.