**GABRIEL** ACHUMBA

Backend, Web and Mobile Developer

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**PROFESSIONAL SUMMARY**

Gabriel Achumba is a seasoned reservoir engineer and software development professional with over ten (10) years’ experience in the development of Hydrocarbon Energy, Fintech, Medical and IT industries software solutions. He has held several technical and managerial roles throughout his career with an excellent track record in the delivery of projects. He is known to possess extensive skills in data analysis, integrated reservoir studies, Reserves evaluation, Reservoir characterization & management, Resource Volume Management, Advanced Well & Reservoir Surveillance, Software architecture, Full-stack software development, Domain-IT Interface Management and IT Project Management

**SKILLS**

* Golang, Nest.js, .Net Core, FastApi.
* Vue, React, Flutter, Nextjs, Quasar
* JavaScript, Typescript, HTML, CSS, Python, C/C++, C#, Dart
* MongoDB, PostgreSQL, NoSQL, MySQL, Redis...
* AWS, GCP, Firebase
* Docker, Jenkins, CI/CD, Terraform, Microservices
* Collaboration, Critical Thinking and Project Management
* WRM Digitalization
* Integrated Asset Management
* Business Forecast and Economics Analysis
* Custom Software Development
* Cloud Computing and Infrastructure

**WORK HISTORY AND ACCOMPLISHMENTS**

**Backend Engineer | Syncware Ltd (2020.2 – 2023.7, PortHarcourt, Nigeria)**

* Worked on oil and gas industry, Fintech & Healthcare projects with JavaScript/Typescript.
* Developed server-rendered Ecommerce applications using Nextjs, React and Redux, resulting in improved SEO and user experience.
* Collaborated with a team of developers to design and implement a new feature using React and GraphQL, resulting in increased user engagement and satisfaction.
* Developed multiple React components for large-scale e-commerce application using React, Tailwind CSS, and JavaScript, resulting in improved performance and scalability.
* Created a React-based dashboard for data visualization platform, enabling users to interact with large datasets and explore data easily
* Developed healthcare and social mobile apps with flutter
* Developed online shopping web app with ASP.Net MVC
* Developed backend API with ASP.Net Core
* Developed a scalable and fault-tolerant microservices architecture using .Net Core, enabling efficient communication and data processing across distributed systems with RabitMQ.
* Built a high-performance API service in ASP.Net Core, implementing RESTful endpoints and integrating with various data sources for seamless data retrieval and manipulation.
* Integrated ASP.Net Core with cloud platforms such as AWS Lambda, utilizing Serverless Framework, AWS CLI and AWS EventBridge.
* Developed backend API with Golang
* Developed a scalable and fault-tolerant microservices architecture using Go, enabling efficient communication and data processing across distributed systems.
* Built a high-performance API service in Go, implementing RESTful endpoints and integrating with various data sources for seamless data retrieval and manipulation.
* Implemented concurrent and parallel processing algorithms in Go, optimizing performance and resource utilization for computationally intensive tasks
* Designed and developed a distributed messaging system in Go, leveraging message queues and pub-sub patterns for synchronous communication between components
* Integrated Go with cloud platforms such as AWS or GCP, utilizing services like S3, DynamoDB, or Cloud Pub/Sub to build scalable and resilient applications.
* Developed a real-time streaming application in Go, leveraging technologies like WebSockets or gRPC to enable instant data updates and event-driven functionality.
* Developed backend API with Nodejs
* Developed robust and scalable backend solutions using Node.js for healthcare and Fintech projects, ensuring secure data transmission and high system performance.
* Implement Web Sockets in different Projects
* Created a real-time chat application using Node.js and Socket.io, enabling users to communicate in real-time and improving engagement and user satisfaction
* Built a microservices architecture using Node.js and Docker, resulting in improved scalability and performance of the system
* Worked as Python engineer
* Implemented multithreading and multiprocessing techniques in Python to enhance application concurrency
* Strong knowledge of Python virtual environments and dependency management using tools like virtualenv and pip.
* Developed custom Python scripts for data transformation, cleaning, and ETL (Extract, Transform, Load) processes.
* Proficient in Python software packaging and distribution using tools like setuptools and PyPI
* AWS Components: S3, EBS, EC2, Security Groups, VPS, ElasticCache, Redshift, RDS, Elastic Beanstalk, DynamoDB, etc.
* Built and deployed CI/CD pipelines with 100% success rate.
* Experience in designing, developing and migrating large number of Azure cloud based applications.

**Full Stack Engineer | CypherCrescent (2012.6 – 2019.11, PortHarcourt, Nigeria)**

* Led the development of Vue-based web applications from concept to development, including designing the architecture, implementing features, and conducting testing and optimization.
* Optimized the performance of Vue application by identifying and fixing bottlenecks in the code and implementing caching strategies, resulting in a faster and more efficient user experience.
* Optimized the performance of a Vue application by identifying and fixing performance bottlenecks, using caching strategies, and implementing code splitting, resulting in improved load times and user engagement.
* Developed backend api with Go.
* Created a command-line tool in Go for automating deployment and configuration processes, improving efficiency and reducing manual errors
* Implemented secure authentication and authorization mechanisms in Go, utilizing industry-standard protocols like OAuth or JWT for user authentication and access control.
* Built a scalable data processing pipeline in Go, leveraging message queues, distributed caches, and data storage systems for efficient data transformation and analysis.
* Optimized the performance of Go applications by profiling and fine-tuning critical sections of the code, resulting in significant speed and resource usage improvements.
* Designed and developed concurrent database access layers in Go, utilizing connection pooling and transaction management for efficient and reliable data operations.
* Integrated Go with relational and NoSQL databases, such as MySQL, PostgreSQL, MongoDB, or Redis, for seamless data storage and retrieval
* Implemented automated testing and continuous integration pipelines in Go, utilizing tools like Go testing framework and Jenkins for code quality assurance.
* I used Nodejs for backend api development.
* Integrated third-party APIs into a Node.js application, such as payment gateways and social media APIs, enabling users to perform a variety of actions without leaving the application.
* Optimized the performance of a Node.js application by identifying and fixing memory leaks, using caching strategies, and implementing load balancing, resulting in improved scalability and response times.
* Implementing secure authentication and authorization mechanisms to protect sensitive patient data.
* Utilizing data analytics and machine learning algorithms to identify patterns and trends in patient data, aiding in diagnoses and treatment plans.
* Worked as Python engineer.
* Implemented advanced Python features like decorators, context managers, and

metaclasses.

* Familiarity with Python security practices, including input validation, parameterized queries, and handling sensitive data.
* Strong knowledge of Python memory management and optimization techniques to prevent memory leaks.
* Extensive experience in using Python for natural language processing (NLP) tasks, including text analysis and sentiment analysis.
* Thorough understanding of Azure cloud service offering (covering Azure Compute, Storage and Network and PaaS services including App Services, Web Role/Worker Role, SQL Azure Database among others).
* Implement systems that are highly available, scalable, and self-healing on the AWS platform.
* Knowledge of monitoring, logging and cost management tools that integrate with AWS.

**Research Assistant | Shell Chair Uniport (2011.9 – 2012.5, Port Harcourt, Nigeria)**

* Used ASP.NET, VB.NET, C#, and JavaScript to design and develop new sites and web-based solutions, both front end and back end.
* Used WPF to create custom components, as well as integrate with database and APIs.
* Involve in the development of the application using Python 3.3, HTML5, CSS3, AJAX, Json and JQuery.
* Use version control tool Git code storage tool Github for added application functionality.
* Build bespoke application credit card forms and payment reliability with Stripe API
* Integrate email functionality in applications by using Sendgrid
* Lead team meetings to optimize the application creation cycle

**QUALIFICATIONS**

**University**: Federal University of Technology, Owerri, Nigeria (2002 – 2007)

**B. Sc:** Petroleum Engineering (Second Class Upper Division)

**LANGUAGE**

English [Full]

Igbo [Native]

**DATE OF BIRTH**

October 8, 1983