Nick Joel Gouend
Full Stack Engineer

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Professional Summary

Results-driven Full Stack Software Engineer with 4+ years of experience in developing scalable web applications and implementing innovative solutions across various technologies. Proficient in Python, Java, and Angular, with a strong focus on cloud technologies including AWS (S3, RDS, Lambda). Demonstrated expertise in designing and deploying microservices architectures, optimizing CI/CD processes, and enhancing user engagement.

Skills

- **Hard Skills:** Java8, Maven, Spring boot, Hibernate, Thymeleaf, API Restful, Resilience4J, SOAP, JSON, Junit, SQL, PostgreSQL, MySQL, MSSQL, MongoDB, Python, Django, Django Rest, Flask, Bash, Node.js, Angular, Angular Material, React.js, Apache Kafka, Splunk, Prometheus, Grafana, Eclipse, IntelliJ Idea,

- **Cloud & DevOps:** CI/CD pipelines, Git, Github actions, Jenkins, Docker, Terraform, AWS, EC2, S3, RDS, DynamoDB, Lambda

- **Soft Skills:** Autonomous, Attention to detail, cross-functional collaboration, customer-focus, Teamwork, Time management, Critical thinking, decision-making, great communication, strong adaptability, Continuous learning

Work Experience

Full Stack Engineer (Python, Node.js, React.js) *Jan 2024 – Aug 2024*
Wiconet, Part-time · Yaoundé, Centre

- Developed a RESTful API for a machine learning web service based on the BERT language model, enabling advanced text processing and increasing user interaction by 10
- Developed a UI/UX design with Figma resulting in a 30% increase in user engagement and positive feedback.
- Collaborated closely with a mobile development team of 5 over a 4-weeks period to transform UI/UX designs into responsive React Native code, improving cross-platform user experience by 30%.

Full Stack Engineer (Java, Php, Angular) *Sep 2021 – May 2024*
Firesoftware, Full-time · Yaoundé, Centre

- Enhanced teamwork and communication by integrating Jira, resulting in a 20% increase in project efficiency and a reduction in task completion time by an average of 3 days per sprint.
- Ensured software product quality by conducting 50+ code reviews and executing various software tests, leading to a 30% reduction in post-release defects.
- Applied SDLC processes from requirement gathering to architecture design, feature development, and integration, improving overall project delivery time by 10
- Designed, implemented, and documented automated integration tests, improving system performance assessment and reducing testing time by 40%.
- Leveraged Agile methodology for project management, providing constructive feedback that optimized processes, including release management, resulting in a 25% faster release cycle, decreasing deployment time from 2 weeks to 1.5 weeks.

Projects

Personal Website: `www.nkcloudgo.com` (*for additional informations and projects*)

Skillrater | Axios, Java 8, Spring Boot, Spring WebFlux, Apache JMeter, Splunk, MySQL, Docker, GitHub Actions

- Created a web application for users to vote on the best programming languages/frameworks/tools in real-time, simulating data influx through a multi-threaded environment.
- Leveraged asynchronous client data submission with Axios for robust client-server communication and implemented server-sent events for efficient event handling.
- Designed RESTful APIs with thorough documentation and asynchronous CRUD operations using a Reactive CRUD repository.
- Established a CI/CD pipeline to streamline deployment processes and conducted performance testing with Apache JMeter to validate application robustness.
- Utilized Splunk for performance monitoring and log management, enabling real-time insights into application performance and error tracking.

Asynchronous Web Scraper | Python, Django, ASGI, Daphne, Beautiful Soup, Selenium, Chrome Driver, Celery ⨀

- Developed an asynchronous web scraper using Python and the Django framework, leveraging Daphne and ASGI for efficient non-blocking operations, significantly improving data extraction speed.
- Utilized Beautiful Soup for extracting static data and integrated Selenium with Chrome Driver to handle dynamic websites built with client-side rendering frameworks like Angular, ensuring comprehensive data collection.
- Designed the architecture for future enhancements, including the integration of Celery for background task processing, aimed at further optimizing performance and scalability.
- Implemented robust error handling and logging mechanisms to ensure reliability and maintainability of the scraping process, enhancing overall system robustness.

Taskalert | MEAN stack (MongoDB, NodeJS, Express, Angular), Angular Material 3, RabbitMQ, PusherJS, Morgan, Do

- Engineered a real-time notes reminder application utilizing Angular UI, Angular Material and PusherJS for dynamic push notifications, enhancing user engagement and productivity.
- Architected a scalable system using Microservices and an API Gateway, enabling seamless integration and efficient resource management across multiple services.
- Implemented centralized security management through robust credential authentication and JWT authorization, ensuring data integrity and user privacy.
- Developed a Message Broker Service with RabbitMQ, facilitating rapid and efficient interservice communication, significantly reducing latency and improving performance.
- Maintained a centralized codebase, streamlining development processes and fostering collaboration among team members for agile project delivery.

S3 Data Transformation Manager | AWS S3, AWS Lambda, AWS SDK, Terraform, Amazon Athena ⨀

- Deployed a static website on AWS S3, enabling users to upload CSV files for data processing and analysis.
- Integrated AWS Lambda for background processing, transforming uploaded CSV files into structured JSON data and storing the results in S3 buckets for easy access.

AWS Cloud Multi Site Hosting | AWS VPC, EC2, AWS RDS (MySQL), S3, Security Groups, NGINX ⨀

- Deployed a robust multi-site architecture utilizing a 2-Tier setup for Laravel PHP and Node.js web applications integrating MySQL database using AWS RDS MySQL ensuring high availability and scalability.
- Leveraged Amazon S3 for storing Laravel application logs and automated RDS snapshot backups

EDUCATION

University Of Yaounde I   *Sep 2021 - Sep 2023*
Master degree in Computer Science   Yaoundé, Centre

- **Master Defense Grade:** 17/20, Thesis: AI Powered Search engine for E-commerce platform (*RecSys, FM*)
- **Relevant coursework:** Algorithmic & Data structure, Software testing, Software architectural design & design pattern, Agile Development, Data science, Machine learning, Introduction to research

CERTIFICATIONS

Agile Scrum Foundation | SimpliLearn   *Aug 2024*