

JESSE NGOLAB

FULL STACK ENGINEER

CONTACT

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PROFESSIONAL SUMMARY

Fullstack Engineer with comprehensive experience across the full stack with a proven track record of optimizing software delivery through the design, development, and deployment of scalable systems. Proven ability to implement and manage CI/CD pipelines using Azure DevOps and GitHub, ensuring continuous integration and deployment of high-quality, secure solutions.

CORE QUALIFICATIONS

- Backend Development: Expertise in Java, Python, Spring Boot, Spring MVC, Flask, APIs, Data Structures, and Object-Oriented Programming (OOP).
- Database & APIs: Strong experience with relational and NoSQL databases such as Oracle, PostgreSQL, and MongoDB. Skilled in designing and developing scalable REST APIs and modernizing legacy SOAP services.
- DevOps & Cloud: Proficient in CI/CD, Infrastructure as Code (IaC), and containerization (Kubernetes, Docker, Jenkins, Azure DevOps, Terraform).
- Quality & Operations: Experience in writing automated tests (Pytest, Selenium, Postman) and providing 24/7 on-call support for production environments.

WORK EXPERIENCE

DevOps Engineer | August 2022 - March 2023

Combs Enterprise

- Spearheaded SCM evaluation and implementation, proactively identifying and implementing process improvements to optimize build, release, and deployment workflows.
- Developed new CI/CD pipelines using Jenkins and integrated with GitHub to enhance deployment efficiency and code quality.
- Designed and automated infrastructure provisioning templates with Terraform to minimize human error and reduce setup time.
- Managed Kubernetes clusters to ensure high availability and optimal resource utilization, configuring monitoring and alerting solutions with Splunk.
- Wrote comprehensive technical specifications for a web application to accelerate developer onboarding and maintain a consistent development approach.

Software Engineer | September 2018 - June 2022

84.51

- Developed scalable APIs in Java and Python to support critical data processing workloads.
- Built CI/CD pipelines with TeamCity and Azure DevOps, integrated Maven/Gradle automation, and stored artifacts in Artifactory.
- Managed Azure infrastructure using Terraform, optimizing cloud resource utilization.
- Implemented and maintained Kubernetes deployments with Helm, enhancing application scalability.
- Developed real-time monitoring dashboards using Prometheus and Grafana to track system health and performance.
- Developed and deployed Python modules that used Azure Service Bus to move critical data between on-premises systems and the cloud. This solution provided data scientists with a more efficient and collaborative platform for data modification and analysis.
- Designed and executed automated Test Plans and Test Cases and generated Test Scripts and Test Scenarios utilizing Selenium and Cucumber.

Senior Solutions Developer | March 2018 - June 2018

PCCW LTD.

- o Led the technical partnership to modernize a mission-critical government application, re-architecting a tightly-coupled system into a scalable microservices architecture using SpringMVC and Angular 6, resulting in improved performance and maintainability.
- o Provided technical oversight to a team, ensuring code quality, scalability, and security while also developing comprehensive test cases for new and existing functionalities.

Application Development Analyst | September 2017 - February 2018

Accenture

- o Contributed to the continuous enhancement of a web-based machine-to-machine communication platform, implementing new REST API services and performing client-side validation with JavaScript. Additionally, was involved in database design, provided support, and implemented change requests to improve the platform's functionality.
- o Designed a new API by exposing and consuming an existing SOAP web service, using an intermediary that acts as a translator to reset WSDL files to a REST format.
- o Created new test cases, which improved code coverage by 70% and ensured the successful validation of new functionalities.
- o Developed a web-based tool using Java SpringBoot and Angular to gather and generate ATS on each particular tasks for developers, testers, and QA, generating a report for management tracking and effort during a sprint.

Product Support Specialist (EDI) | April 2017 - September 2017

OpenText

- o Provided comprehensive on-call support and handled production issues by fixing errors in EDI data and Oracle databases.
- o Improved system reliability through the development of automation solutions and by providing assistance with database management, troubleshooting, and optimization.
- o Monitored various EDI transactions like PO, Invoices, and Load Tender appropriately.
- o Streamlined access to archived financial statements and monitored various EDI transactions to maintain data integrity and operational efficiency.

Applications Developer | March 2016 - April 2017

Texas Instruments

- o Developed and implemented an internal web application using JSP, Spring MVC, Hibernate, and Oracle.
- o Optimized existing SQL queries that extracted data from different plant facilities, reducing the wait time from 5 minutes to 2 minutes.
- o Improved regulatory adherence and efficiency by developing a new internal web app to store all reports, which streamlined compliance audits and review processes.
- o Was involved in user specification requirements, requesting insufficient information, and helping to clear ambiguity in requirements documents.

ACADEMIC HISTORY

Western Governors University | Salt Lake City, UT, USA | 2024-2026

Master of Cybersecurity and Information Assurance

Expected Graduation November 2026.

University of the Cordilleras | Baguio City, Philippines | 2012-2015

Bachelor of Science in Information Technology