JUAN DIEGO VILLEGAS DÍAZ

Lima, Perú | (+51) 991070712 | juandiegovd99@gmail.com

PROJECT EXPERIENCE

Uayki, January 2024 - March 2024

- Implementation of monitoring for docker containers using Grafana, Prometheus with CAdvisor and NodeExporter for specific mectrics and Loki for Logs with Promtail as the ingestor

Orbita, February 2023 - December 2023

- Implementation of OTP Generator for sending security codes in Typescript
- Implementation of Password Generator in Java with Spring Boot with AWS EC2 deployment
- Optimization and error handling in SQL Store Procedures for processing massive bulkloads
- Implementation of AWS Lambda serverless functions for on-demand functionalities and DynamoDB for storage
- Implementation of AWS API Gateway and SQS queues for asynchronous operations with the use of a private VPC and connection between different accounts
- Use of AWS CloudFormation for IaC to automate infrastructure between environments

WORK EXPERIENCE

SOFTWARE DEVELOPER

Devsu, December 2023 - currently

- Development in Java with Spring Boot under a microservices architecture using clean and hexagonal architecture
- Development in Python for auxiliary repositories and jobs
- Migration of Java applications from Spring Boot 2 to Spring Boot 3
- Interaction with OneTrust tool for privacy and data protection functionalities
- Handling of the publisher-subscriber pattern for asynchronous messaging using Kafka
- Cloud computing using Azure Services
- Development in JavaScript for serverless functions
- CI/CD using Azure DevOps with SonarCloud and Prisma quality gateways

SOLUTIONS ANALYST

NTT Data, June 2022 - December 2023

- Development in Java with Spring Boot under a microservices architecture
- Cloud computing using Azure Services
- Handling of the publisher-subscriber pattern for asynchronous messaging
- Development in Typescript and NodeJS using GraphQL
- Handling of New Relic as a tool for monitoring logs
- Use of Cosmos, MSSQL, and MongoDB databases
- Version control under the trunk-based scheme
- Docker and Kubernetes for containerization
- CI/CD using Bitbucket Pipelines and Azure DevOps
- Being part of the architecture design for multiple solutions for my team
- Training of new team members and lead Backend team

SOFTWARE ENGINEER

Novatronic, September 2020 - June 2022

- Development of transactional and biometric applications in Java with JBoss and WildFly application servers.
- Design and implementation of mobile applications in Java and Kotlin, integrating with Firebase and SQLite.
- Implementation of embedded APKs for background parametrization of related applications
- Handling of PostgreSQL and OracleSQL databases.
- Handling of JUnit for unit testing under the TDD methodology
- Handling of Prometheus and Grafana for reviewing metrics in development and production.
- Teamwork under the SCRUM agile framework.

INSTRUCTOR
Pontificia Universidad Católica del Perú, March 2020 - July 2023

- Lecturing, development, and advice in the evaluations of Algorithm, Data Structure and Programming Fundamentals courses using Java, C and Python languages.
- Review of code and application of good programming practices

SKILLS

API's design and implementation
SOLID principles and clean code practices in API design and development patterns in the following languages:

- Knowledge of multiple design patterns for clean architecture
- Java: Development of REST APIs using Spring Boot, unit testing using JUnit, Mockito and integration testing with WireMock.
- JavaScript and TypeScript: Implementation of GraphQL API and unit testing using Jest and Supertest.
- Python: Development of REST APIs using Flask, with unittest and blueprints
- Use of various services of AWS and Azure Cloud

Knowledge in microservices patterns
API Management, Circuit Breaker, Service Discovery, and Config Server patterns for microservices development using Spring Boot.

Pipelines implementation
Development of CI/CD pipelines for DevSecOps implementation using Azure DevOps for continuous deployment to multiple environments

EDUCATION

PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ
Bachelor's in informatics engineering, December 2021

CERTIFICATIONS

- Azure Fundamentals (Microsoft, 2022)
- Docker Essentials (IBM, 2022)
- First Certificate in English (Cambridge University, 2015)
- Scrum Fundamentals Certified (SCRUMStudy, 2022)