JHOSAIM POCOHUANCA

[in] LinkedIn | 📱 +51 932-204-128 | 🌐 Personal Portfolio | ✉ jhos.ricardo14@gmail.com | 🐙 GitHub

Skills

- Programming Languages: Golang | Rust | C++ | C# | Python | JavaScript | TypeScript | Java | Kotlin | Dart | Flutter
- Databases: SQL(MySQL | PostgreSQL | MSSQL) | NoSQL (MongoDB, DynamoDB) | Redis | GraphQL | Apollo Federation | Directus
- Frontend: React (Nextjs, Gatsby, Astro) | Angular | Vue (Vuetify, Nuxt) | Htmx
- Backend: Echo | Gin | Spring Boot | Flask | Fast API | Django | Node (Express, Nestjs, Hono) | .NET
- Mobile: Android Studio | React Native | Flutter | Expo
- Test Automation | Regression Testing | Performance Optimization | Playwright | Cypress | | Unit Testing | Integration Testing
- Microservices | gRPC | Docker | Kubernetes | Jenkins | CI/CD | Domain Driven Design | Design Patterns
- Azure | AWS | Google Cloud Platform | Cloud Computing | End-to-end Testing | OOP | Functional Programming | Reactive Programming | Test Driven Development | Trunk Methodology – *All professional proficiency or above*

Experience

Senior Software Engineer — **Turing** — *Palo Alto, California, USA* — **09/2024 - 12/2024**

- Designed and delivered high-quality serverless applications using **AWS** services, including **Lambda, AppSync, S3, SQS, Cloudwatch** and **Amplify**, ensuring robust infrastructure through **SAM** and **CloudFormation**. Built user-centric frontends with **React** and managed reliable data storage solutions with **RDS** and **DynamoDB**.
- Orchestrated deployments using **Kubernetes** with custom environments for each pull request, enabling seamless testing and faster feature delivery. Improved **CI/CD pipelines** with GitLab, reducing the workflow time by 20% and ensuring consistency.
- Implemented comprehensive unit testing strategies in **Python**, achieving at least **90% test coverage** to safeguard business logic and functionality during upgrades, including the **migration of multiple repositories to Python 3.12**.
- Mentored developers to adopt best practices in coding and test writing, fostering a culture of quality and reliability.
- Automated test workflows using **Rust & Golang** scripts, accelerating local execution and ensuring efficient validation of business logic across environments.

Semi-senior Software Developer — **Laureate Education** — *Lima, Peru* — **11/2023 - 09/2024**

- Participated in the development team of the student portal backend microservices app at Universidad Peruana de Ciencias Aplicadas, using technologies such as **FastAPI, Django, Python, AWS Serverless, and Directus.** Then implemented caching using **DynamoDB**
- Participated in the development team of the student portal frontend at Universidad Peruana de Ciencias Aplicadas, using technologies such as **VueJS, Nuxt and Pinia.**
- Developed a high-performance backend application using **Golang and the Echo framework**, serving as an additional layer to transform data from third-party services, significantly improving data processing speed by 40%.
- Managed applications using **EC2, S3, RDS and Cloudwatch.**
- Implemented CI/CD pipelines using **Azure Pipelines.**
- Conducted thorough testing, including unit tests and integration tests, to ensure high-quality deliverables.

Software Engineer, Contract — **trades.org** — *Austin, Texas, USA* — **07/2023 - 01/2024**

- Formed part of the design and development of multiple enterprise-level microservice applications of the company using **AWS services like API Gateway, Amplify, Lambda and SQS with Typescript, Nestjs, GraphQL and Apollo Federation.**
- Designed and implemented multiple frontend and mobile applications using **React, React Native, Astro and NextJS.**
- I was part of the development team to build an application using **OpenAI API** to build websites and developed custom agents to facilitate the website creation experience.
- Developed a back office application to manage organizations settings and custom workflows using **Nextjs** with **Django and Graphene**, improving the development process by 20%
- Developed utility tools and scripts using **Golang** to enhance project workflow, including: automatic folder structure generation for new microservices and frontend projects, CLI tools for db migrations and seeding, data processing and transformation utilities for large datasets.
- Completely automated the backend testing process by integrating **Jest** and **SuperTest** to handle Integration and End-to-End tests.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

Software Developer, Contract — **Paqtana** — *London, England, UK* — **06/2023 - 08/2023**

- Designed and implemented functionalities in the company's applications using **React, Python, Flask, Django, SQLAlchemy, PostgreSQL** and **Google Cloud Platform**. Implemented caching in the **Django** application improving performance by 30%.
- Engineering owner of the E2E experience of the platform's frontend ecosystem, improving the overall functionality and development cycle of the application using **Playwright.**
- Updated and migrated the libraries and packages of both frontend and backend projects.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

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Software Developer [**Waytech Peru**](#) *Lima, Peru* **05/2023 - 08/2023**

- Led the migration, design and development of the company application using **React, .NET, Express, DevExpress, AWS, DynamoDB and Maria DB**, improving the previous ASP.NET system performance by 50%.
- Designed and improved the core business operations, particularly in the area of production, by effectively managing production processes through the implementation of the reliable floor control system (SCP).
- Conducted regular performance analysis and implemented optimizations to enhance application efficiency.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

Software Developer [**Itali Peru**](#) *Cusco, Peru* **01/2023 - 04/2023**

- Designed and implemented multiple enterprise applications:
  - Employee management using **Angular and Spring Boot with Microservices Architecture.**
  - Student assistance registry using **Vue and .NET.**
  - Marketing and data management using **Nextjs** and **Python with Django,** implementing caching with **Redis** and **Unit Tests** to ensure a stable app and workflow
  - Student's information storage using **Kotlin with Android Studio.**
- ***Reported directly to CPO:*** Engineering lead for designing and developing the fintech transaction dashboard using **React + Golang**, that provides a rich visual summary of monthly user purchase patterns powered by [Google Chart](#). Used by the board of administrators in the decision-making process.
- Designed and implemented an e-commerce platform using **React, Express, Nest.js and Paypal,** increasing the company revenue by 27% in the first quarter
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

Education

Bachelor of Software Engineering [**Universidad Peruana de Ciencias Aplicadas**](#) *Lima, Peru* **03/2021 - Now**

- Active member in competitive programming team
- Upper Fifth

Certifications

- **Machine Learning with TensorFlow on Google Cloud**: Specialization certificate to learn how to write distributed machine learning (AI) models **(11/2023)**
- **Learn SQL Basics for Data Science**: Specialization certificate to learn how to use SQL for data science **(06/2024)**
- **Virtual Reality Specialization**: Specialization certificate to learn how to develop 3D Virtual Reality applications in Unity **(06/2024)**
- **Scrum Master Certification Specialization**: Specialization certificate to learn how to lead teams using the scrum methodology **(09/2024)**

Others

- **1st Place Award**: Won 1st prize for the Competitive Programming Contest at Universidad Peruana de Ciencias Aplicadas in Peru **(06/2021)**