Eng. Franklin Fontalvo

Informatic Engineer | Backend developer | software developer

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Portfolio: https://fontalvo.vercel.app

About me

Software developer specialized in backend and DevOps, with solid experience in the creation and optimization of infrastructures and workflows. My focus is on creating efficient, secure and scalable systems through the use of advanced technologies, agile and effective methodologies.

work experience

Backend developer / team lead
Maxxed technical systems | Nov 2023 - Dec 2024

Stack: Docker, Jenkins, Python, NodeJs, Jest, MongoDB, MySQL, JavaScript, AWS EC2, GitHub Actions, Linux, Git

Delivered 100% of client projects on time and to high quality standards, improving development times by 30% by leading a team and making key decisions on technology stacks, including the selection of programming languages and databases.

I developed and implemented robust backend systems, handling over 1,000 requests per day without interruption, by designing relational databases optimized with dbdiagram, configuring servers on platforms such as Digital Ocean, AWS EC2 and Name Cheap, and integrating caching systems such as Redis to improve performance.

I implemented CI/CD pipelines for backend and frontend that streamlined deployments, enabling deployments in less than 10 minutes and ensuring greater stability by automating key tasks with tools such as Docker, Jenkins and GitHub Actions.

Full stack web developer
Digitek LLC | Dec 2020 - Oct 2023

Stack: NodeJs, MongoDB, MySQL, PHP, HTML, CSS, JavaScript, Bootstrap, AWS S3, AWS ELB, Jquery, AWS CloudFront, Linux, Git

I guided the creation of a tool for the internal management of the company's courses, reducing the time to complete administrative tasks by 92%, using NodeJS, MongoDB and doing webscrapping

I identified points of improvement in different company websites, improving the load time from 20% on google page speed test to 98% by implementing techniques like CSS critical path, cache systems and implementing an AWS load balancer

I automated the creation of database backups, improving the reliability of the backup system by 100% by developing an application that integrated the creation of backups and secure storage in an AWS S3 bucket.

Computer Club Teacher Assistant
Liceo Nacional Don Rómulo gallegos | October 2018 - July 2019

Stack: MySQL, PHP, HTML, CSS, JavaScript, Jquery, Linux

As assistant of the teacher, I helped him to teach to the another students about programming stuff.

I directed the creation of an internal app for the scholar center that could track the students qualifications, using PHP, JavaScript and MySQL.

Skills

Technical skills

NodeJS | Docker | Python | PHP | Laravel | construcción de APIs (API rest) | Git | Django | Flask | Jenkins | GitHub Actions AWS | AWS S3 | AWS EC2 | MySQL | MongoDB | JavaScript | React | Clickup | Notion| Excel | Linux | Terminal de Linux Redis | Bash Scripting | Patrones de diseño | Jest | Cypress | PHPUnit | Express.js | JWT | Clean Code | Socket.io | Domain Driven Design | Hexagonal Architecture | Apache Kafka

Soft Skills

Effective Communication | Teamwork | Complex Problem Solving | Adaptability | Quality Orientation Critical Thinking | Time Management Continuous Learning | Empathy | Feedback | Proactivity | Creativity

Languages

Spanish : native

English : conversational (B2)

Academic background

Software engineering
UPTA Federico brito Figueroa | 2022 - 2025

Higher IT Technician
UPTA Federico brito Figueroa | 2019 - 2022

Courses and certifications

Complete Docker Course
Udemy | August / October - 2024

Advanced English Course
Gospel Center | January / July - 2024

AWS Certified Developer Associate DVA-C02 Course
Udemy | in course

Modern Software Architecture: DDD, Events, Microservices
Platzi | April 2025

Large-scale Systems Design And Software Architecture
Udemy | April 2025