Agner Villa Fabrega

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Profiles

AgnerVillaFabrega   agner-villa-fabrega-a27044222

Summary

Hey i'm Agner, **systems engineer** with hands-on experience in software application development and thorough documentation processes. Known for quickly adapting to new challenges, solving complex problems, and applying knowledge effectively to drive results. *My professional journey reflects a commitment to continuous improvement*, and i am eager to leverage my expertise to contribute meaningfully to innovative projects and team success.

Experience

Tiresia SAS
DevOps Engenieer — Nov 2023 - Oct 2024 — Remote
Tiresia S.A.S

- Led and orchestrated the seamless deployment of Angular and NestJS web applications in Oracle OCI cloud environments, optimizing performance and ensuring high availability for Tiresia SAS's digital infrastructure.
- Designed and implemented a **cost-effective and scalable cloud infrastructure in Oracle OCI** for Tiresia SAS, focusing on manual provisioning of services and automation of tasks to optimize performance and resource utilization.
- Orchestrated containerized environments with **Docker/Docker compose**, optimizing resource allocation and ensuring seamless application deployments for Tiresia SAS's critical systems.
- Improved deployment efficiency by implementing **Jenkins**-based **CI/CD pipelines** at Tiresia SAS, decrease in deployment errors and acceleration of software releases.
- Automated **server administration tasks** with **Ansible**, improving system reliability and operational efficiency.
- Coordinated and executed **daily production deployments** of Tiresia SAS's **electronic invoicing module**, ensuring seamless compliance with regulations and maintaining system stability throughout the process.
- Implemented custom Prometheus and Grafana dashboards at Tiresia SAS, allowing for real-time monitoring of system health and enabling proactive identification and resolution of service failures to ensure uninterrupted customer experience.

Global EDB
Cloud Engenieer — Feb 2022 - Oct 2023 — Remote
Goblal EDB

- Managed **multi-cloud environments (AWS & Azure)** for enterprise clients, performing tasks via CLI and cloud consoles.
- Implemented advanced monitoring solutions for **DynamoDB** and **PostgreSQL** databases, optimizing performance and ensuring seamless scalability for the cloud infrastructure.
- Automated daily cloud service reporting using **Python scripts** and implemented security compliance measures across various cloud-based applications, ensuring data integrity and confidentiality

Unidax
Software Developer — Ago 2023 - Dic 2023 — Remote

- Designed and implemented a *custom production system at **Unidax***, integrating IoT sensors and data analytics to automate soil, water, and foliar analysis, resulting in increased efficiency and accuracy in data collection.
- Integrated **real-time sensor data processing**, increasing accuracy and reducing human errors.
- Created an algorithm that analyzed agricultural data to provide personalized crop recommendations, resulting in improved yields and cost savings for Unidax.
- Developed and implemented a real-time trading application using **Flutter and Firebase technologies**, following **Scrum methodology** to ensure timely delivery and alignment with Unidax's business objectives.

Education

Universidad Popular del Cesar
Valledupar, CO — April 2019 to Jun 2024 — Systems Engineering

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Projects

DevOps Labs — Aug 2024 - Present
Project where I document my practices, labs, and automation scripts for different cloud and local environments.
DevOps Labs

DevOPs, CI/CD, Labs, AWS, Cloud computing, OCI, Python, SRE

Nest Microservices
E-commerce platform with five NestJS microservices orchestrated via Docker Compose and NATS for asynchronous messaging, featuring JWT authentication, per-service databases (MongoDB, SQLite, and PostgreSQL), and Stripe payment integration.
E-commerce Microservices

NestJs, Docker, Docker-compose, Nats, Microservices, Gateway, StripeCLI, Webhook, Auth JWT, Prisma, MongoDB, PostgresSQL, SQL-lite, GCP, K8s, Helm, GKE

Legado Villa — April 2025
Family carpentry platform with NestJS backend (Prisma, PostgreSQL, AWS S3) and React/Vite/Tailwind frontend managed with Bun.
Legado Villa

Docker, NestJS, React, Vite, Tailwind CSS, AWS CLI, AWS S3, Prisma, PostgresSQL, Auth JWT, Docker-compose

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References

Diana Carolina Rueda
Project Director at TIRESIA SOLUCIONES TECNOLÓGICAS S.A.S
Linkedin

Jose David Carrillo Villazon
Software Development at NTT DATA
Linkedin

Technical Skills

Backend & API Development	Cloud & DevOps
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NestJS, RESTful APIs & Microservices, Authentication & Authorization (JWT), Modular architecture, Dependency injection, API documentation, WebSockets	Oracle OCI, AWS, Terraform, Docker, CI/CD Pipelines (Jenkins & GitHub Actions), Prometheus & Grafana, Docker compose
Databases & Storage	**Agile & Development Tools**
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MongoDB, PostgreSQL, MySQL, Firebase	Scrum & Agile Methodologies, Git, GitHub, Jira

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Certifications

Google Cloud Computing Foundations Certificate — September 2023
Google Cloud
GCP Fundation certificate

LFS162: Introduction to DevOps and Site Reliability Engineering — April 2025
The Linux Foundation
LFS162 Certificate

DevOps Integral Docker, Kubernetes, Jenkins, GitFlow CI CD — December
Udemy
DevOps Certificate

Curso Práctico de Arquitectura Backend — November 2024
Platzi
Aquitectura Backend certificate

Languages

Spanish	English
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