

Summary

Backend Engineer with 7+ years of experience in designing, developing, and maintaining backend systems and APIs. Proficient in Python, JavaScript, and SQL. Skilled in building REST APIs and service-oriented architectures.

Experience

Cornershop by Uber

Senior Software Engineer · Backend

Jun 2021 - Aug 2024

Mexico · Remote

- Designed and implemented a tool to manage and generate periodic reports for orders, receipts and customer data, reducing manual engineering work by 16 hours per week.
- Optimized PostgreSQL queries in report generation tool, reducing query execution time by an average of 20%.
- Integrated AWS CloudWatch with reports tool, enabling proactive issue resolution and improving system performance.
- Implemented a distributed caching mechanism with Redis to fetch store orders, reducing database load by 30%.
- Collaborated with frontend developers to optimize API response times for bulk product update and creation, achieving a 16% reduction in latency.
- Led the development of services and APIs for the management of multi-slot schedule of stores, improving team collaboration and client integration efficiency.

Eva Health

Software Engineer · Backend

Jan 2021 - Jun 2021

Mexico · Remote

- Implemented architectural changes that reduced the downtime of service nodes due of connectivity issues by 20%.
- Designed and implemented a high-performance API backend that integrated 8+ services and enabled communication with smart lights, thermal cameras and edge devices.
- Led the re-architecting of the thermal camera manager service, leading to a 35% reduction in image acquisition latency.

Altest

Full Stack Developer

Jun 2019 - Jan 2021

Zacatecas, Mexico

- Led the development of an API for RFID asset management, supporting over 10,000 assets and serving 500+ users daily.
- Developed web, mobile and desktop applications that integrated RFID readers and tag printers with the API backend for inventory management.
- Architected and implemented a scalable REST API backend and a web frontend for real-time face analysis on video cameras. The platform supported up to 100 cameras and processed over 7,000 faces per minute.
- Led a team to adopt a DevOps culture, reducing bug rates by 20% through automated testing and continuous integration.

Skills

Programming Languages

Python · JavaScript · Go · Dart · Java · PHP · C

Databases

PostgreSQL · MySQL · Redis · MongoDB

DevOps

Docker · GCP · AWS · Ansible · CircleCI · GitHub Actions

Frameworks & Libraries

Django · FastAPI · SQLAlchemy · Pydantic · Scrappy · RQ · Asyncio

Testing

Unit testing · E2E testing · Component testing · Integration testing

Monitoring

Grafana · Datadog · Prometheus · New Relic

Education

Autonomous University of Zacatecas	Aug 2016 - Aug 2018
Master of Science in Engineering	9.8 GPA
Central University of Las Villas	Sep 2013 - Jul 2015
Master's in Telematics	9.7 GPA
Central University of Las Villas	Aug 2016 - Aug 2018
Bachelor's in Telecommunications Engineering	10 GPA