



Diego Nava

Software Engineer

Profile

I am a software engineer, who is specialized in architecting *scalable*, *resilient* and *distributed* applications based on micro-services and lambdas taking advantage of cutting edge technologies and practices to persist, design, build, orchestrate and deploy with ease and quality, I seek to have a good understanding of good practices to know when to apply them and thus when to break them.

Employment History

Software Engineer at Brainly, Krakow

April 2018 – Present

- Architect and build a microservice-based architecture.
- Develop core features that impact the life of 150 Million students.
- Created a MySQL binlogs streaming pipeline using Kinesis lambdas to persist them in an Elasticsearch cluster for optimized readings and future analysis.
- System design and implementation of a network of microservices which ensures PII deletion using event sourcing.
- Active search for new technologies, languages, and algorithms so that they can potentially be included within our work stack.
- Building capabilities so other teams can use them as they need.
- Desing a work-flow where other engineers can develop lambdas at scale.
- PID implementation to improve the cache-purging system.
- Constant knowledge sharing to new-joinners, juniors or in case of a new stack or capability added, to other engineers within and outside my team.

Full-Stack Developer at IPCOM Network, Florida remotely

November 2016 – April 2018

- Develop both the backend and the web frontend application of a peer-to-peer VoIP service.
- Successful WebRTC integration with both mobile and web apps using WebSockets for signaling.
- Creation and maintenance of a Stun/Turn servers to be able to cope with NATing.
- Design of the web application using React.
- Migration of legacy systems onto AWS, implement containerization and the first version of orchestration using Docker Swarm.
- Constant feedback to key stakeholders.

Full-Stack Developer at UTEL UNIVERSITY, Mexico City

June 2015 – October 2016

- Design together with my team a new system for online education.
- Design an ETL to migrate from legacy systems.
- Maintain old systems and troubleshooting.

Details

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Links

[Personal Web Site](#)

[Linkedin](#)

[GitHub](#)

Skills

Golang

Python

Javascript

Elixir

PHP

Amazon AWS

Microservices

Lambdas

RabbitMQ

Kinesis

Elasticsearch

PostgreSQL

MySQL

Redis

DynamoDB

Kubernetes

Docker

Terraform

Ansible

Nginx

GraphQL

Web Developer at Soluciones Segura, Mexico City

June 2014 – July 2015

Junior Web Developer at Ediciones SM, Mexico City

February 2014 – August 2014

Education

Master's degree, Computer Science, Instituto Politécnico Nacional, Mexico City

August 2014 – December 2016

Engineer's degree, Electronics and Communications Engineering, Instituto Politécnico Nacional, Mexico City

August 2009 – December 2013

Internships

Student Internship at Master Degree, Moscow

March 2016 – June 2016

Courses

Elasticsearch Engineer II, Elasticsearch

May 2019 – May 2019

Big Data with Apache Spark

March 2015 – March 2019

Natural language processing

October 2015 – October 2015

Rust

Languages

Spanish

English

Polish

Hobbies

Hiking, Swimming, Traveling,
Reading, Video games.