



# 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, test, 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 Pleo, Copenhagen

January 2020 — Present

- Design and maintain a distributed infra for payment processing
- Working in a new product that enables a seamlessly integration with recognized accountant companies, and designing a micro-service architecture to support that new product
- A complete refactor together with my team and split off one of the main legacy monolithic into smaller domains and microservices.

### Software Engineer at Brainly, Krakow

April 2018 — January 2020

- 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.

## Details

[diego.nava3009@gmail.com](mailto:diego.nava3009@gmail.com)

## Links

[Personal Web Site](#)

[Linkedin](#)

[GitHub](#)

## Skills

Golang

Python

Javascript

Elixir

PHP

Test Driven Development

Domain Driven Development

Amazon AWS

Microservices

Lambdas

RabbitMQ

Kinesis

Elasticsearch

Kubernetes

gRPC

PostgreSQL

MySQL

Redis

DynamoDB

Docker

Terraform

Ansible

- 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.

### 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

Protobufs

Nginx

GraphQL

Rust

## Languages

Spanish

English

Polish

## Hobbies

Hiking, Swimming, Traveling,  
Reading, Video games.