

# André Bazaglia

Senior Software Engineer

## Profile

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Senior Software Engineer with 7.5 years of experience. My focus has been to contribute to building and maintaining scalable and secure systems, covering system design, architecture, and development. Technologies I have been working with lately include Node.js, Golang, Kafka, GraphQL, React, React Native, relational/document databases and cloud services by AWS and Google Cloud.

## Work Experience

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### Senior Software Engineer

Nationale Nederlanden - The Hague

Oct 2020 - Current

Senior software engineer, acting in the backend code architecture, patterns, cloud infrastructure observability/monitoring for the creation of a backend for the app written from scratch.

### Senior Software Engineer

DAZN - Amsterdam

Oct 2019 - Sep 2020

Senior backend engineer in a football streaming company, designing and implementing backend services to allow users to interact with their subscriptions, such as adding payment methods, changing or canceling their subscriptions, or viewing their transactions history. Roles I personally took responsibility for include:

- Developing of microservices boilerplates for a 100% serverless solution, lambda-first;
- Implementing observability, logging and alerts across the microservices owned by the team;
- Management of CI/CD and deployment pipelines for a multi-region deployment on AWS.

### Software Engineer

Mycujoo - Amsterdam

May 2019 - Sep 2019

Backend Engineer acting in a microservice-based architecture, relying on Kafka publish-subscribe for decoupled microservices communication. The microservices were written in Node.js and Golang. My main role was to re-write the microservice responsible for handling the events data.

**Tech lead**

KapMug - São Paulo, Brazil

June 2017 - May 2019

Lead Backend Engineer in a fintech that covers financing process flows from the capture until the conclusion of the contracts, counting on workflows and decision models. My roles included:

- Supporting the team members in building and delivering core microservices from scratch;
- Core committer, doing code review to ensure consistency in architecture, as well as in the design patterns, clean code and functional programming paradigms, resulting in a scalable codebase;
- Definition and implementation of a hexagonal architecture, based on microservices that communicates between each other using both request-response and publish-subscribe patterns;
- Development of a database abstraction layer and its adapters, speeding up implementations with different databases;
- Implementation of GraphQL as a unified layer to expose microservices through HTTP protocol;
- Implementation of gRPC for service-to-service communication with strong contract enforcement;
- Implementation of Istio with Kubernetes for container orchestration, service-to-service communication, services observability, and security.

**Software Engineer**

ConfiaNet Certificações S/A, São Paulo - SP, Brazil

January 2017 - June 2017

- Active development of a microservice-based API deployed in a serverless stack, written in Node.js;
- Use of different databases and data sources, such as MySQL (provided by RDS service), DynamoDB, ElasticSearch;
- Building deployment pipeline from scratch.

**Software Engineer**

Conceptho - Vitória - ES, Brazil

March 2014 - January 2017

- Backend development of a product that intelligently matches recruiters and candidates for new jobs positions on the market, helping companies to find the candidates they are looking for their open positions;
- Core technologies and tools included Node.js, PHP, ElasticSearch, RBAC (role-based access control), Rancher (multi-provider container management as a service), CI/CD, TDD.

## Education

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### **Federal University of Espírito Santo (2013-2016)**

Vitória - ES, Brazil

Completed 46 credits towards a **Bachelor in Computer Engineering**

## Skills

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Software architecture

Design patterns

Clean code

Event driven development

DDD

BDD/TDD

Programming languages: Javascript/Node.js, Golang, Java

Relational/documental databases: MongoDB, DynanoDB, MySQL, PostgreSQL

GraphQL

gRPC

Apache Kafka / SQS / SNS

Protocol Buffers / Apache Avro

Serverless

CI/CD

Docker / Kubernetes

AWS / Google Cloud

React / React Native

Terraform

Vault