Nicolás Gaitán Escobar

Software Engineer

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Bogotá, Colombia

SKILLS

- **Programming Languages**: Python, JavaScript, TypeScript, Java, SQL.
- **Technologies**: NodeJS, AWS, GCP, Docker, Flask, Django, Cypress, Puppeteer, React, TypeORM, MongoDB, PostgresSQL, ElasticSearch, DynamoDB, Git.
- **Languages**: Spanish (native), English (C2), German (B1), Italian (B1)

EDUCATION

Universidad de los Andes
Bogotá, Colombia

Software Engineering; GPA: 4/5
Aug. 2016 – Sep. 2021

- ○ **Relevant Coursework**: Algorithms, Data Structures, Databases, Software Architecture, Cloud Computing, Automated Tests, Web Development, Mobile Development, Networks, Distributed Systems and concurrency.

EXPERIENCE

Phi Technologies
Remote

Software Engineer
Aug 2021 – Mar 2022

- ○ Increased machine resource usage by 60% by designing and implementing a micro-services based architecture using Docker containers.
- ○ Created a Dashboard that centralized all the micro-services using React, NodeJS, Nginx, PostgresSQL, and Docker.
- ○ Increased data purity by 80% by cleaning existing data and designing MongoDB pipelines for incoming data using Python and JavaScript.
- ○ Improved the performance of a recommendation system by 90% by rebuilding it using NodeJS, ElasticSearch, MongoDB, React, and Docker
- ○ Led a team of 4 members as an experienced software engineer.

Senecare
Bogotá, Colombia

Lead Software Engineer
Jan 2021 – Aug 2021

- ○ Primary System Administrator for Senecare. A critical application for 18.000+ users at Universidad de los Andes during the pandemic.
- ○ Improved the performance of existing services by 80% by identifying and fixing all the existing bugs.
- ○ Found and fixed a critical security breach which compromised user's data.
- ○ Designed and implemented a new micro-service for vaccination requirements issued by the government at the time using NodeJS, React, Redux, PostgresSQl, Docker, and TypeORM.
- ○ Trained new team members and added video tutorials.

Phi Technologies
Prague, Czech Republic

Junior Software Engineer
Mar 2020 – Jan 2021

- ○ Crawled 600.000+ medical documents using ScrapPy, Puppeteer, Python, JavaScript, NodeJS, and ElasticSearch.
- ○ Extracted the key concepts of the documents by using an ontology API created by another team. Created using NodeJS and Python for this.
- ○ Programmed a search engine for the crawled documents using NodeJS, React, and ElasticSearch.
- ○ Fed 1.000.000+ concepts into an ontology by simplifying the German version of ICD-10 using Python and C#.

PROJECTS

- **Los Troncos**: An AWS hosted Blockchain solution to control illegal wood trafficking in Colombia. It allowed wood choppers to register logs in the Blockchain via SMS, and police officers to verify them using a mobile app. As well, it had a visualizer where users could trace the origin of their final wood products. Constructed using Flutter, NodeJS, Twilio, React, and AWS. It gave us the third place in ZooHackathon Colombia 2019.
- **Job Hunting Visualizer**: A React visualizer and administrator for my job hunting process during 2022. Built using React, MongoDB, TypeScript, and NodeJS.
- **Cooking Martha**: A personal assistant that helps people through the process of cooking. Martha can recommend you recipes, guide you and answer you any question related to cooking. Created using Watson Assistant, Firebase, NodeJS, and Ionic.