

Lander Nunez

Software Engineer | San Diego, CA (Open to Remote/Relocation) | (951) 675-5917

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Technical Skills

Languages: JavaScript (ES5/ES6), TypeScript, Python, SQL, HTML5, CSS3

Back-End: Django, FastAPI, Node.js, Docker, PostgreSQL, MySQL, MongoDB, Firebase

Front-End: React.js, Next.js, Redux, Bootstrap, TailwindCSS, DOM Manipulation

System Design: Monoliths, Microservices, Domain-driven design, Message passing, Event sourcing

Developer Tools: Git, Postman, Visual Studio Code, Vite, Test-Driven Development, Figma

Professional Experience

Digital TownSq | Full Stack Engineer Intern

June 2023 - October 2023

News app showcasing real-time US headlines, optimized for user discussion and interaction.

Tech Stack: React.js, Next.js, Node.js, Firebase, Axios, News API, Tailwind CSS

- Architected and implemented the code base from scratch leveraging **Next.js**, **Node.js**, **Firebase**, and News API.
- Engineered a data-retrieval solution using Firebase and Next.js reducing daily read operations from 26k to 5.8k (**448% improvement**), fully eliminating server overload that caused downtime 2-3 days per week.
- Led project migrating all databases to Firebase in collaboration with the mobile dev team, streamlining testing, saving engineering time, and reducing new feature implementation time.
- Created a new revenue stream for the company by executing a time-based feature using React.js for sponsors to place content at specific stories.
- Collaborated with the project manager to translate Figma designs into functional features with Next.js.

Mlife Hospice | Caregiver

January 2018 - May 2022

- Provided compassionate care for hospice patients, ensuring their physical and emotional well-being.
- Monitored vital signs, reporting changes to the nursing staff, and maintained accurate records of patient progress.

Software Engineering Applications

Yoovies | Full Stack Engineer | github.com/Indrnz/yoovies | yoovies.com

2022

Movie web-app for moviegoers to rate and review up-and-coming releases, optimized to withstand web scale traffic loads.

Tech Stack: Django, React.js, Node.js, Bootstrap, Docker, PostgreSQL, Heroku, TMDB API, JWT, Trello, GitLab CI/CD

- Led a team of four engineers to manage projects using **Agile Methodologies** with Trello fulfilling all deadlines.
- Initiated containerized microservices with **Docker** for dynamic horizontal scaling in deployment for **Heroku**.
- Automated a CI/CD Pipeline with **GitLab CI/CD** for continued integration and version control.
- Developed secure authentication using **JWT**, providing users with a personalized experience.

CarCarGo | Front End Engineer | github.com/Indrnz/carcargo

2022

Platform for car dealerships to log sales, car services, assign technicians, and access car history with VIN Numbers.

Tech Stack: Django, React.js, Node.js, Bootstrap, Docker, PostgreSQL, Jest, AWS: EC2

- Collaborated with a team of two engineers to develop **three RESTful API microservices**, reducing server response time to **<200 ms from 1s**.
- Engineered a custom polling script to perform real-time data polling at a frequency of 1 query per second, ensuring the continuous acquisition of a dynamic **PostgreSQL** database.
- Incorporated and deployed Docker for developing and testing with EC2 and Jest.

ConferenceGo | Back End Engineer | github.com/Indrnz/conferencego

2022

Platform for users to manage attendees, conference registrations, and presentation while monitoring daily forecasts.

Tech Stack: Django, React.js, Node.js, Bootstrap, Docker, PostgreSQL, RabbitMQ, WeatherMap API, Pexels API

- Integrated Pexels/WeatherMap APIs to provide weather information and pictures based on conference location.
- Implemented **pub/sub** email alerts for presentation status using **RabbitMQ**.
- Converted **legacy monolithic API** into service dedicated microservices.

Education

Hack Reactor | Certificate in Advanced Software Engineering

2022

University of California, Irvine | Bachelors of Science in Biological Sciences

2015 - 2019