

# Julian Arleby Munoz Mendez

## Senior Full Stack Engineer | Node.js | Python | React | AWS | GraphQL

Florencia, Caqueta, Colombia

[JulianArlebyMunozMendez@gmail.com](mailto:JulianArlebyMunozMendez@gmail.com)

+57 320 448 3228

<https://www.linkedin.com/in/julian-arleby-munoz-mendez/>

### SUMMARY

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Senior Full-Stack Engineer with expertise in **Node.js** and **Python**, building scalable, high-performance web applications using modern technologies. He creates seamless, interactive user interfaces with **React** and **Next.js** and develops backend systems with **Node.js** and **Python**. He also has experience deploying and managing applications using cloud services such as **AWS**.

### WORK EXPERIENCE

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#### Senior Software Engineer

[Ontraport](#), Santa Barbara, California, United States / Apr 2022 – Apr 2025

- Developed a responsive CRM web application for business brokerage using **Node.js** (**Nest.js**, **Express.js**) and **Python** (**Django**, **FastAPI**) enabling brokers to manage listings, leads, and communications efficiently—boosting user task throughput by **30%**.
- Designed and optimized **GraphQL** and **RESTful APIs** to support real-time broker-client interactions and data sync, reducing response latency by **40%**.
- Built dynamic, SEO-friendly frontends using **React** and **Next.js**, increasing broker engagement and deal closure visibility by **35%**.
- Migrated core features into **Dockerized microservices** deployed via **Kubernetes** on **AWS**, improving **CI/CD** efficiency and multi-tenant scalability.
- Integrated **Redis** for caching frequent CRM queries and managing session data, significantly improving dashboard load times and performance.
- Ensured application reliability with comprehensive unit and integration tests using **Jest**, **React Testing Library**, and **Supertest**, maintaining high code quality.

Skills: Node.js, Nest.js, Express.js, Python, Django, FastAPI, React, Next.js, Restful APIs, GraphQL, Rabbit MQ, Kafka, PostgreSQL, MongoDB, Redis, Jest, React Testing Library, Supertest, AWS, Docker, Kubernetes, CI/CD

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#### Full Stack Developer

[Upgrade, Inc.](#), San Francisco, California, United States | Aug 2020 – Apr 2022

- Built high-performance backend services with **Nest.js**, **Flask**, and **TypeScript**, handling 500,000+ daily API requests and improving system efficiency by 40%.
- Architected and implemented solutions using **PostgreSQL** and **MongoDB**, enabling the application to efficiently handle complex queries regarding interconnected data, resulting in a 40% increase in query performance.

- Developed serverless functions using **AWS Lambda**, **API Gateway**, and **DynamoDB**, reducing infrastructure costs by **35%**.
- Created **authentication** and **authorization** systems using **OAuth2**, **JWT**, and **OpenID Connect**, enhancing security.

Skills: Node.js, Nest.js, Express.js, Python, FastAPI, React, PostgreSQL, MongoDB, Jest, OAuth2, JWT, API Gateway, Mocha, Chai, GraphQL, AWS

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### Frontend Developer

[Southern Code](#), Houston, Texas, United States / *Dec 2018 – Aug 2020*

- Created user interfaces with **React** and **Vue.js**, improving responsiveness by **25%**.
- Partnered with backend engineers on **PHP-based APIs** for seamless data integration.
- Built UI components with **Material UI**, ensuring design consistency.

Skills: React, Vue.js, Nuxt.js, TypeScript, PHP, Laravel, Cypress, Jest, AWS

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### Junior Software Developer

[Twenty Ideas](#), Eugene, Oregon, United States | *Feb 2018 – Dec 2018*

- Developed E-Cash Management tools handling **\$5M+ transactions annually** using **PHP** and **SQL**.
- Created dynamic frontend components with **JavaScript** and **React**, improving engagement by 35%.

Skills: PHP, SQL, Javascript, React, MVC

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### CERTIFICATIONS

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- React Engineer Certificate - EDUCBA (Mar 2019)
- Python Engineer Certificate – Coursera (Jun 2022)
- Node.js Engineer Certificate – Coursera (Jan 2023)
- AWS Certified Solutions Architect – Associate (Aug 2023)

### EDUCATION

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Singapore Institute of Technology

Singapore

Bachelor of Engineering (BEng), Computer Software Engineering (3.4)

2013 – 2017

### SKILLS

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- Frontend Development: React, ReactNative, Angular, Next.js, Redux, JavaScript (ES6+), TypeScript, Svelte, HTML5, CSS3, Tailwind CSS, SCSS, Material UI, Ant Design
- Backend & APIs : Node.js, Python, Express.js, Nest.js, Django, Flask, FastAPI, Fastify, PHP (Laravel), Prisma, RESTful APIs, GraphQL, TypeORM
- Databases & Data Access : MySQL | PostgreSQL | MongoDB | Redis | Oracle | AWS DynamoDB

- Cloud & DevOps : Aws, Oracle Cloud Infrastructure (OCI), Azure, Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions, CircleCI)
- Security & Auth : OAuth2, JWT, OpenID Connect, HTTPS, RBAC
- Messaging & Queues : Apache Kafka, RabbitMQ, WebSockets
- Testing & Debugging : Jest, Pytest, Mocha, Chai, Cypress, Selenium
- Development Approaches : Agile, SCRUM, Kanban, TDD, OOP, Design Patterns
- Version Control & Source Management : Github, GitLab, Bitbucket, Subversion, Jira, Trello, Asana, DevOps