

# Diego Fernando Alzate Cardona - Senior Backend Dev

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## WORK EXPERIENCE

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### Leantech

US

*SR Backend Developer - Nodejs*

*Jan 2021 - Present*

- Led the development of a microservices architecture using Node.js and NestJS, improving system scalability by 150%.
- Implemented an authentication solution with Keycloak, enhancing system security and reducing security incidents by 80%.
- Optimized PostgreSQL database queries, reducing average response time by 40%.
- Designed and implemented a GraphQL API that improved frontend query efficiency by 60%.
- Collaborated on migrating services to AWS, utilizing EC2, ECS, and Lambdas, resulting in a 30% reduction in infrastructure costs.
- Utilized TypeScript to improve code quality and reduce bugs by 30% in both client-side and server-side applications.
- Implemented lambda functions and SQS for handling PDF file generation, resulting in a 15% improvement in application performance.
- Developed and deployed a virtual assistant chatbot using Huggingface and Langchain to assist customers with inquiries about shipping, package tracking, quotes, etc., reducing support team workload by 30%.

### Kuepa Edutech

Colombia

*SSR Fullstack Web Developer - MERN Stack*

*Jan 2020 - Jan 2021*

- Developed and maintained a responsive educational platform using React and Node.js, increasing user engagement by 40%.
- Implemented real-time communication features using Socket.io, enhancing student-teacher interaction and improving course completion rates by 25%.
- Optimized MongoDB database queries, reducing page load times by 50% and improving overall application performance.
- Designed and implemented RESTful APIs using Express.js, facilitating seamless integration between front-end and back-end systems.
- Implemented state management using Redux, resulting in a more efficient and maintainable front-end architecture.

### Colombian Goldenberry

Colombia

*Jr. Fullstack Web Developer - MERN Stack*

*Jan 2019 - Jan 2020*

- Spearheaded the development of a full-stack e-commerce platform using React for the front-end and Node.js with Express for the back-end, resulting in a 60% increase in online sales.
- Developed RESTful APIs to integrate the e-commerce platform with inventory management and payment gateway systems, streamlining operations and reducing order processing time by 30%.
- Implemented data modeling and schema design in MongoDB, optimizing database performance and reducing query times by 50%.
- Collaborated with the marketing team to implement analytics tracking, providing valuable insights that led to a 25% increase in conversion rates.
- Introduced automated testing using Jest, reducing bug reports by 40% and improving overall code quality.
- Implemented secure user authentication and authorization systems, enhancing data protection and user trust.

## LEADERSHIP EXPERIENCE

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### Kuepa Edutech

Colombia

*SSR Fullstack Web Developer - MERN Stack*

*Jun 2020 - Jan 2021*

- Led a team of 3 junior full-stack developers in the creation of approximately 300 interactive educational games for mathematics and physics, improving student engagement by 50%.

- Mentored and guided junior developers, resulting in a 40% increase in team productivity and a 30% reduction in development time for new games.

EDUCATION

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<b>The university of Texas at Austin</b> <i>Artificial Intelligence and Machine Learning (PGP-AIML)</i>	<b>United States</b> <i>Graduation Date: Nov 2023</i>
<b>Make it real</b> <i>Full stack web developer bootcamp</i>	<b>Colombia</b> <i>Graduation Date: Jan 2020</i>
<b>Universidad Pontificia Bolivariana</b> <i>Associate's degree in Telecom</i>	<b>Colombia</b> <i>Graduation Date: Jan 2011</i>
<b>Universidad Nacional de Colombia</b> <i>Bachelor's degree in Electrical engineering</i>	<b>Colombia</b> <i>Graduation Date: Jan 2004</i>

SKILLS & INTERESTS

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**Skills:** Nodejs, Typescript, Nestjs, Express, GraphQL, MySQL, Postgres, MongoDB, Redis, DynamoDB, AWS, React, Python, Langchain, Huggingface, IA, ML, LLMs, ANNs.

**Interests:** AI, Coding, Mountain biking and Motorcycles.

**Languages:** English - Proficient, Spanish - Native.

SIDE PROJECTS

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Personal web page: Developing a personal website featuring an AI-powered assistant that responds to queries about my professional background and machine learning projects. Key features: LLM integration using Hugging Face and LangChain Text and voice interaction capabilities Detailed responses on career, skills, and projects Speech recognition and text-to-speech functionality Technologies: Python, JavaScript, Hugging Face, LangChain, React, FastAPI