

# DAVID DANIEL MEMBREÑO MARTÍNEZ

Full Stack Developer with a background in Computer Science (UNAH) and professional work experience.  
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## Summary

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Experienced Full Stack Developer with a strong foundation in computer science and a passion for building performant and scalable web applications. Proficient in Next.js, React, and TypeScript, with experience in developing payment gateways and integrating with external services. Dedicated to optimizing user experiences and leveraging modern development practices, including SSR, SSG, and CI/CD pipelines. Seeking a challenging role where I can contribute to innovative projects utilizing Next.js and related technologies.

## Experience

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### Authcode

San Pedro Sula, Honduras

#### Full Stack Developer

09/2022 - Present

Full-stack developer specializing in robust CRM solutions, bridging the gap between backend infrastructure and intuitive frontend interfaces to optimize customer relationship management workflows.

- Implemented authorization and capture flows, data validation, and error handling, ensuring compliance with PCI DSS standards.
- Developed a conversational chatbot from scratch, focusing on smooth user experiences and natural interactions.
- Implemented NLP/NLU capabilities using OpenAI API and integrated conversation flows for scalable, human-like responses.
- Integrated third-party APIs including Slack, Twilio, Google APIs, SendGrid, Firebase Admin, and Pusher to support messaging, notifications, and communication features.
- Designed event-driven workflows using AWS S3, AWS SQS, Trigger.dev, and SST (Serverless Stack) for robust cloud infrastructure and background job handling.
- Designed and implemented scalable microservices using Node.js (Express.js) and TypeScript, focusing on efficient API integration and data management.
- Developed real-time communication features with Socket.io and GraphQL requests, improving interactivity and responsiveness.
- Leveraged Next.js for building performant web interfaces, incorporating SSR and SSG techniques to optimize loading times and user experience.
- Utilized CI/CD pipelines (GitLab CI, GitHub Actions) and Docker for automated deployments and infrastructure management within AWS (EC2, Lambda, RDS).

### Freelancer

#### Full Stack Developer

- Developed a custom payment gateway solution integrating Shopify with BAC Credomatic Honduras' payment system, enabling secure, real-time transactions.
- Utilized Next.js, TypeScript, and React Query (useQuery) to build a robust, scalable, and performance-optimized solution.
- This project involved implementing authorization and capture flows, data validation, error handling, external API integration, and compliance with electronic payment security standards (e.g., PCI DSS).

## Education

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### Universidad Nacional Autónoma de Honduras

#### Computer Science

01/2020 - 05/2025

## Skills

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- Next.js, React.js, JavaScript (ES6+), TypeScript, Node.js, Express.js, React Native
- React Native, Expo, RESTful APIs
- Microservices design, REST, GraphQL (basic)
- HTML5, CSS3, Tailwind, responsive web design, design principles, user experience
- MySQL, SQL, relational modeling
- AWS (EC2, Lambda, RDS), Google Cloud (App Engine, Cloud Run), Docker, CI/CD (GitLab CI, GitHub Actions)
- Git, GitHub, GitLab
- Infrastructure as code, attention to detail, technical writing, teamwork, and agile collaboration (Scrum/Kanban)

