

JULIAN MENDEZ

SOFTWARE DEVELOPMENT ENGINEER

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Soyapango, San Salvador

PERFIL

Computer Science Engineering student with 5 years of experience in IT and fullstack development, databases, and cloud infrastructure management. Specialized in React.js and Node.js, with knowledge in AWS, GCP, and Cloudflare. Focused on creating secure, scalable, and innovative technology solutions.

WORK EXPERIENCE

Server Administrator - Colegio Don Bosco - Internship

May 2023 - Jul 2023

- Supervised server performance and availability.
- Managed and optimized databases (MySQL, PostgreSQL).
- Configured firewalls, intrusion detection systems (IDS), and conducted security audits.

Front-End | UX/UI Designer - Colegio Don Bosco - Internship

Jul 2023 - Nov 2023

- Created mockups to visualize and understand the structure and design of the project interface.
- Collaborated with a dedicated team of programmers.
- Complete front-end coding of the entire project using high-demand languages (React JS).

Network Administrator - Attorney General's Office of the Republic - Internship

Jan 2024 - May 2024

- Designed and deployed LAN/WAN network infrastructure.
- Implemented ACLs, VLANs, and perimeter security policies in corporate network environments.
- Automated incremental and full backups through scripts and cron jobs.

IT Administrator and Full-Stack Developer - Ukiyo

Oct 2024 - Nov 2025

- Desarrollo de software a la medida e integración de APIs REST/SOAP con Node.js.
- Diseño UX/UI con Figma y Webflow, creando interfaces funcionales y modernas.
- Gestión y optimización de bases de datos SQL y NoSQL (MySQL, PostgreSQL, MongoDB).
- Diseño y administración de arquitecturas de red escalables y seguras.
- Liderazgo y coordinación de equipo de desarrolladores, supervisando tareas, revisión de código y cumplimiento de objetivos.
- Implementación y gestión de infraestructura en AWS/GCP (EC2, S3, Cloud Storage, VPC)
- Configuración de entornos de desarrollo, staging y producción
- Gestión de contenedores con Docker y orquestación con Kubernetes
- Configuración de herramientas de monitoreo (Prometheus, Grafana, CloudWatch)
- Implementación de logging centralizado (ELK Stack, Splunk)
- Alertas y gestión de incidentes
- Automatización de pipelines CI/CD con Jenkins/GitHub Actions/GitLab CI
- Configuración de despliegues automáticos y rollbacks

Front-End Developer - Banco Cuscatlán

Nov 2025 - Present

- Develop and maintain responsive web applications using Angular and TypeScript.
- Implement reusable component libraries and design systems to ensure consistency across multiple banking platforms.
- Optimize application performance through code splitting, lazy loading, and efficient state management.
- Collaborate with UX/UI designers and back-end developers to deliver seamless user experiences.
- Conduct code reviews and implement best practices for clean, maintainable, and scalable front-end architecture with TypeScript.

EDUCATION

Colegio Don Bosco (El Salvador)

Graduated 2022

Technical High School Diploma in Computer Engineering (GPA 9.2)

Universidad Don Bosco (El Salvador)

Graduated 2024

Technical Degree in Computer Engineering (GPA 9.0)

Universidad Don Bosco (El Salvador)

2024 - Present

Computer Science Engineering (80% completed)

FREELANCE PROJECTS

Frontend Developer – AMETIA PLUS Project (as integrated developer with Bonda)

- Participated as a frontend developer in the AMETIA PLUS project, collaborating directly with Bonda's internal team.
- Implemented responsive and interactive interfaces with React.js.
- Integrated visual components with client-server APIs and developed backend logic with Node.js.
- Optimized performance and conducted cross-browser compatibility testing.

Live site: <https://ametiaplus.com/>

Fullstack Developer – Opentable Project

- In development: order and table management system for restaurants, where I serve as the lead fullstack developer.
- Implementation with Next.js used for both frontend and backend, complemented with Laravel for system logic.
- Design of modules for menu management, orders, billing, table control, and budgets.
- Architecture optimization to ensure scalability, security, and performance in high-concurrency environments.
- Active participation in the project evolution, from planning to production deployment.

Fullstack Developer – UT Project

- Development of an intelligent chat application using Next.js for the frontend and C# for the backend, integrating Claude Haiku 4.5 for AI-powered conversations.
- Implementation of secure authentication system with Firebase and data storage in MongoDB for efficient management of users and conversations.
- Integration of artificial intelligence APIs and development of robust backend logic for real-time message processing.
- Deployment of the application on AWS Amplify (frontend) and Azure Functions (backend), optimizing performance and ensuring high availability.
- Development of responsive and interactive interfaces, conducting cross-browser compatibility testing and user experience optimization.

Fullstack Developer – Emotional API Project

- Development of a comprehensive comment management system for restaurants using Twilio for WhatsApp integration, React for the dashboard, and Python for the backend.
- Implementation of Twilio API integration for automatic reception of WhatsApp messages from customers, processing communications in real-time.
- Integration of Claude AI for automatic sentiment analysis, classifying customer comments into categories: positive, neutral, and negative with high accuracy.
- Creation of an interactive React dashboard for comment visualization and management, allowing managers to monitor customer feedback in a centralized manner.
- Development of a robust Python API for message processing, sentiment analysis, and data management, with optimized storage in MongoDB.

Fullstack Developer – inkytap Project

- Development of a complete web platform for reading and writing stories using Next.js 14, React, TypeScript, and Tailwind CSS on the frontend, with Node.js/Express backend and MongoDB database, implementing scalable and responsive architecture.
- Implementation of secure authentication system with JWT and OAuth (Google), WYSIWYG rich text editor, and image management system integrated with AWS S3 using presigned URLs for optimized cover upload.
- Development of social and content features including like system, favorites, categorization, advanced filtering, real-time search, and automatic reading time estimation with content moderation system.
- User experience optimization with smooth animations (Framer Motion), image lazy loading, skeleton loaders, smooth page transitions, and minimalist design focused on accessibility and usability.
- Configuration of automated deployment on Amplify (frontend) and Render (backend) with CI/CD from GitHub, implementation of on-page SEO with dynamic metadata, Open Graph tags, and Core Web Vitals optimization.

Live site: <https://inkytap.com/>

CERTIFICATIONS AND COURSES

- Certificate: [Project Management and Agile Methodologies \(Platzi\)](#)
- Certificate: [Leadership and Team Management \(Platzi\)](#)
- Certificate: [Philosophy and Strategy for Leaders \(Platzi\)](#)
- Certificate: [Amazon Web Services \(AWS\) Cloud Operations](#)
- Certificate: [Amazon Web Services \(AWS\) Cloud Security Foundations](#)
- Certificate: [Amazon Web Services \(AWS\) Machine Learning Foundations](#)
- Course: [Introduction to Agile Project Management Methodology SCRUM \(Scrum I\)](#)
- Course: [Agile Project Management Methodologies Scrum Product Owner \(Scrum II\)](#)
- Course: [Advanced Scrum Product Owner \(Scrum III\)](#)
- Course: [Scrum Master \(Scrum IV\)](#)
- Course: [Fundamentals of Governance in the Digital Environment](#)
- Course: [Data Governance, Protection, and Compliance Management](#)
- Course: [Governance and Data Management](#)

TECHNOLOGIES

Programming Languages

- JavaScript – 80%
- PHP – 85%
- Java – 60%
- Python – 60%
- C++ – 50%
- C# – 60%
- .NET – 60%

Cloud

- AWS – 80%
- GCP – 70%
- VMware – 65%
- Cloudflare (DNS & dominios) – 75%

Container Orchestration

- Kubernetes – 60%
- Docker Compose – 75%

Frameworks and Libraries

- React.js – 90%
- Next.js – 85%
- Node.js – 85%
- Laravel – 80%
- Spring Boot – 70%
- Angular – 70%
- Bootstrap – 85%
- TailwindCSS – 90%

CI/CD & Automatización

- Jenkins – 70%
- GitHub Actions – 80%
- GitLab CI/CD – 75%
- Terraform – 60% (IC)

Configuration Management

- Ansible – 55%
- Nginx – 75%

Databases

- MySQL – 85%
- PostgreSQL – 80%
- MongoDB – 70%

Tools

- Git – 90%
- Figma – 85%
- Webflow – 75%

Monitoring and Logging

- Prometheus – 60%
- Grafana – 65%
- ELK Stack (Elasticsearch, Logstash, Kibana) – 55%
- CloudWatch (AWS) – 70%

ADDITIONAL INFORMATION

- Languages: Spanish (native), English (B2).
- Experience in cloud infrastructure management with AWS, GCP, and Cloudflare (DNS and domains).
- Proficiency in agile methodologies (Scrum, Kanban) applied in software projects.
- Proficient in version control and CI/CD tools (GitHub, GitLab).
- Experience in virtualization and containers with Docker and VMware.