

David Juarez Magaña

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PROFESSIONAL SUMMARY

Computer Systems Engineer with expertise in **Full Stack Java development**. Experienced in migrating legacy systems to modern architectures using **Spring Boot 3** and **React**. Proficient in cloud-native practices (**Docker**), database management, and integrating cutting-edge technologies like **OpenAI models** into enterprise applications. Committed to delivering secure, efficient, and user-centric software solutions.

EDUCATION

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| Instituto Tecnológico de Ciudad Guzmán <i>Bachelor in Computer Systems Engineering (Spec. Applied AI)</i> | 2020 – 2025 Jalisco, Mexico |
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TECHNICAL SKILLS

Java Ecosystem: Java 21/17, Spring Boot 3, Spring AI, Spring Security (JWT, OAuth2), JPA, Hibernate.
Frontend: React, Vite, Tailwind CSS, HTML5, CSS3, JavaScript (ES6+).
Data & AI: Generative AI (OpenAI API), Data Structures, Algorithms, MySQL, SQL Server, MongoDB.
DevOps & Tools: Docker, Git, GitHub Actions, AWS (ECS, RDS), Postman, Jira, Agile/Scrum.

EXPERIENCE

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| Tata Consultancy Services <i>Java Backend Developer</i> | Feb 2025 – July 2025 Guadalajara, Mexico |
| <ul style="list-style-type: none">Joined as an IT Trainee, receiving comprehensive mentorship and specialized training in Java and Spring Boot for enterprise backend development.Applied acquired knowledge to develop and maintain microservices, designing RESTful APIs under senior guidance.Collaborated in an Agile (Scrum) environment using Jira and managed version control with Git. | |

PROJECTS

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| Psyche-Scheduler <i>Java 21, Spring Boot 3, React, MySQL</i> | Present |
| <ul style="list-style-type: none">Architected a full-stack telemedicine platform enabling patients to schedule online consultations with professionals.Secured RESTful APIs with Spring Security and JWT to enforce Role-Based Access Control (RBAC).Containerized the database infrastructure using Docker Compose to ensure consistent rapid deployment. | |
| Digital Creative Lab <i>Java 21, Spring Boot 3, React, MySQL</i> | July 2025 |
| <ul style="list-style-type: none">Architected a comprehensive educational platform using a robust Java architecture.Designed a relational database schema in MySQL utilizing Spring Data JPA to manage user progress and integrity.Integrated a dynamic React frontend (Vite, Tailwind) with the backend, optimizing interaction with Framer Motion. | |
| SprintAI - GenAI Platform <i>Java 17, Spring Boot 3, Spring AI</i> | Dec 2024 |
| <ul style="list-style-type: none">Developed a Generative AI platform integrating OpenAI's GPT-3.5 and DALL-E 2 via Spring AI.Engineered a prompt-driven backend, creating services for chat, image generation, and structured recipe creation.Built an interactive React frontend to consume AI endpoints, featuring real-time chat and dynamic forms. | |
| CLI Strategy Game Engine <i>Java SE, Git, Algorithms</i> | 2023 |
| <ul style="list-style-type: none">Developed an interactive console-based "Snakes and Ladders" simulation applying OOP principles.Engineered custom data structures from scratch (BST, Linked Lists) and implemented QuickSort for rankings. | |