Francisco Segura Valencia

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Education

UdeG - Centro Universitario de Tonalá   Tonalá, Jal
Bachelor of Engineering in Computer Science   Jan 23 – Present

Experience

Universidad de Guadalajara   Remote
Internship   Sept 2025 – Present

- Gathering and definition of system requirements for project scope
- Design of user interface views with React and backend architecture with Spring Boot
- Development and implementation of frontend components using React and Tailwind
- Development and integration of backend services using Java (Spring Boot)
- Implementations of an additional microservice with Node.js (Express)
- Collaboration in ensuring consistency between design, functionality, and microservices integration

Academic Projects

Ticketmeister   Remote
Full-stack developer   Feb 2025 – Mar 2025

- Developed microservices-based architecture with Python (Flask) for authentication and event management
- Implemented Node.js (Express) service for automated email delivery of purchased tickets
- Built frontend application with Angular for browsing and purchasing event tickets
- Integrated OpenStreetMap API to display event locations on an interactive map
- Designed RESTful APIs to ensure modularity and service scalability

Donactiva   Remote
Full-stack developer   Oct 2024– Nov 2024

- Designed and developed backend logic using Java (Spring Boot) in a monolithic REST API
- Implemented dynamic map integration with Google Maps API to display registered charity institutions
- Developed donation flow with item selection and QR code generation for validation
- Built frontend interface using HTML, CSS, and JavaScript
- Integrated token-based authentication with JWT for secure user sessions
- Enabled donation-to-rewards system granting loyalty points (OXXO) to users after validated donations

Skills & Interests

Technical: Git, GitHub, Docker, Docker Compose, Python, Flask, Java, Spring Boot, Angular, React, Tailwind CSS
Language: English (fluent), Spanish (native), Portuguese (beginner)
Interests: Game development in C++