Miguel Andreé Torres Campos

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Summary

Computer Engineering student focused on backend development, specialized in Java with experience using Firebase. I also have knowledge of Node.js and can work with React when needed. I am interested in building robust and scalable systems, solving real-world problems through software. I have worked in collaborative environments and can quickly integrate into agile development teams. I aim to contribute my technical skills and continue growing as a software developer.

Work Experience

UCA (Central American University José Simeón Cañas)   *Antiguo Cuscatlán, La Libertad*

PAID MOBILE PROGRAMMING INSTRUCTOR   *March 2025 – July 2025*

- Taught lab sessions to over 60 students, guiding their learning in native mobile development using Android Studio.
- Designed and implemented 9 hands-on labs focused on MVVM architecture, coroutines, flows, WebSockets, Retrofit, and Room.
- Created detailed technical guides for each lab, promoting best practices in mobile development.
- Conducted a specialized workshop on integrating the Google Maps API with local storage using Room, applying geolocation principles.
- Provided one-on-one technical consulting for final projects, some involving AI integration and map services in mobile applications.

Personal Projects

React JS, Node.js

HEALTH TRACKING WEB APPLICATION   *August 2023*

- Developed a web application to register and monitor users' health progress, allowing input of data such as weight, physical activity, and other key indicators.
- Technologies used: ReactJS, React Router, TailwindCSS, Axios, MongoDB.
- Full-Stack Developer – Responsible for both backend and frontend development, ensuring efficient integration between components.

WordPress, Elementor

HAZLOFÁCILCV – RÉSUMÉ DESIGN PLATFORM   *January 2024*

- Created a web platform aimed at making résumé creation intuitive for non-technical users.
- Used WordPress with Elementor Pro for visual site design and optimization.
- Implemented custom forms for client intake and automated responses.

Android, Java, Firebase

RESTAURANT MENU MOBILE APP   *July 2024*

- Developed an Android mobile app that allows restaurants to create, edit, and manage their digital menus in real-time.
- Integrated Firebase for user authentication and data storage.
- The project received very positive feedback from instructors, although it was not published on the Play Store.

Spring Boot, React, PostgreSQL

RESTAURANT MANAGEMENT SYSTEM   *June 2025*

- Developed the backend of a complete system using Spring Boot, focusing on authentication, authorization, and data persistence.
- Implemented security with JWT and Spring Security, along with persistence using JPA, Hibernate, and PostgreSQL.
- Frontend was developed with React, collaborating with another developer to integrate functionality.

Technologies

- **Programming Languages:** Java, JavaScript, Kotlin, C++
- **Frameworks and Libraries:** React JS, TailwindCSS
- **Backend and APIs:** Node.js, Spring Boot, JPA, Hibernate
- **Databases:** PostgreSQL, Oracle, Room (Android)
- **Services and Tools:** Firebase, Retrofit, SQL Developer, PGAdmin4
- **Version Control:** Git, GitHub
- **Architectures and Patterns:** JWT + Spring Security, N-tier, MVVM
- **Others:** Android Studio, WordPress, Elementor Pro

Certifications

2023   **User Interface (UI) Design**, Training in visual design and usability principles   *INSAFORP*

2023   **User Experience (UX) Design**, Focus on information architecture and user flow   *INSAFORP*

Education

UCA (Central American University José Simeón Cañas)   *Antiguo Cuscatlán, La Libertad*

Computer Engineering   *March 2022 – Present*

- Cumulative GPA: 7.92 / 10
- Current progress: 73% completed

Colegio Santa Teresa de Jesús   *San Jacinto, San Salvador*

Technological Infrastructure and IT Services   *January 2019 – November 2021*

Extracurricular Activity

IoT Course Instructor   *January 2025*

- Taught an introductory course on how IoT devices work and their impact on individuals, communities, and society.
- The course was aimed at first-year students interested in integrating technology into their daily lives.
- Taught programming fundamentals focused on developing connectivity skills and problem-solving through IoT.

Social Service

CRAI-UCA Website Redesign   *March 2024*

- Contributed to the redesign of the university library website, focusing on visual modernization, improved user experience, and enhanced functionality.
- Worked collaboratively to analyze user needs, apply content management tools, and ensure accessibility standards were met.
- Led the implementation of the new site using WordPress, ensuring a collaborative development process.

Languages

Spanish   Native

English   B2 – Upper-Intermediate