David Orlando Miranda Roa

Web & API Developer.

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Summary:

Full Stack Developer with experience in crafting Restful APIs and frontend projects. I stand out for seamlessly integrating agile methodologies, such as Scrum, and workflows with version control. My central focus is test-driven development, applying design patterns for clean and decoupled code in alignment with SOLID principles. My background encompasses specialized technical expertise in troubleshooting networks and systems, spanning both hardware and software levels.

Practical Experience and Projects:

2023

Art Gallery (Full Stack Javascript)

Description: Digital art e-commerce with payment integration, authentication/authorization, payment gateway, admin dashboard, and shopping cart.

Features: Node/Express API, integration with PayPal, JWT, nodemailer, Google Firebase, Cloudinary, Postgres SQL. WebApp designed with Vite+React and Bootstrap. Utilizes Redux for state management and optimizes user session persistence.

Showcase Experience (Ruby language)

Description: Portfolio crafted using Ruby with Jekyll for static HTML. Serverless backend deployed on AWS for database management in the contact section. Implements Google Analytics

Food Recipes & Videogames (Full Stack Javascript)

Description: Two individual projects as part of academic training at Henry.

Features: Backend and frontend deployed on free tier sites to consume external APIs. Developed in React JavaScript without CSS preprocessors.

KGB-Rescuer (Next.js)

Description: Portfolio of a firefighter and height specialist rescuer, built with Next.js. Implementation of styles with Tailwind CSS.

Features: Full development with JavaScript, React, and Next.js.

Java Upskill Portfolio (Java Console)

Description: Collection of workshops and fundamental concepts in Java.

Features: Interactive console application developed in Java 17 using IntelliJ.

MoneyWise Expense App (Java Console)

Description: Personal finance management, expense and income tracking with customized report generation.

Features: Interactive console application in Java.

MoneyWiseApi (Spring RestAPI):

Description: API version of the personal finance application.

Features: Backend development with Java and Spring for expense management. Integration with H2 database, use of Thymeleaf for static HTML documentation.

2012

Comparing DNA Sequences and DNA Trees for Possible Cladograms:

Description: Computational Biology Laboratory, academic work.

Features: Generation of cladogram trees for common ancestry research and DNA tests. Developed in Perl using CPAN libraries and generating LaTeX reports with access to CTAN libraries. Regular expressions (REGEX) in Bash and Zsh.

2010

Social Statistics Lab:

Description: Social Statistics Laboratory.

Features: Statistical analysis using R Statistics and CRAN libraries.

2005

Website for the Acido Musical Group:

Description: Website for now-extinct rock and roll band.

Features: Web development with HTML, CSS, Macromedia Flash, Dreamweaver, Corel Draw, Microsoft Office Macros, Microsoft Access, and MySQL.

Side Projects (Under Development)

Git Pulse:

Description: Work in progress – Professional practice in the design and analysis phase. Designed using Figma. Jira issues tracking. Developed with TypeScript, Express, and React.

ASMRpocket:

Description: API for an ASMR sound collection with MongoDB supporting a React Native application.

Education and certification:

- Cisco IT Essentials in JavaScript (Open EDG JavaScript Institute), December 2022.
- Administration and IT Support - Cisco IT Essentials 1: Hardware and Software for PC (Servicio Nacional de Aprendizaje - SENA), September 2010 - January 2011.
- Bootcamp at Henry. 800 Hours. December 2022 - July 2023.
- Java Upskill Henry, 300 Hours. October 2023 - December 2023;
- Linux -NDG Linux Unhatched 16 Jan 2023.
- Bachelor's Degree, Psychology and Biology (Pending Completion) Universidad Nacional de Colombia, 2009 - 2014
- Technical Degree, Systems Analysis and Programming IE Alexander Von Humboldt January 2005 - November 2008.

Professional Journey:

My educational and professional journey has been diverse and enriching. I am a Professional Technician in Systems Analysis and Programming, with experience both as an employee in technical roles and in independent projects, implementing networks and workstations. My versatility extends to the field of tourism, where I am a Professional Tour Guide. I have worked as an employee and founder of my own company, specializing in nature tourism, mountaineering, and climbing, as well as guiding in museums and urban areas. My problem-solving skills span both hardware and software, enabling me to succeed in various work environments and independent projects.

Interests and Hobbies:

Beyond my commitment in the professional realm, I am involved in the global scout movement as an adult resource. Additionally, I enrich my life with a strong passion for music, leading me to play instruments such as the bass and guitar. These passions complement my holistic perspective and enhance my approach both in the workplace and daily life.

Languages:
Spanish: Native proficiency.
English: Currently pursuing B2 level with a focus on IT certification.