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PROFESSIONAL SUMMARY

Mobile and Full-stack Developer with experience in building secure, scalable mobile applications, complemented by strong full-stack web development expertise. Proven track record in implementing security standards, optimizing performance, and leading cross-platform development teams. Strong expertise in React Native, TypeScript, and modern development practices, with additional experience in React, Vue.js and .NET Core.

EDUCATION

National Polytechnic Institute (IPN)

Bachelor of Mechatronics Engineering

Zacatecas, ZAC, MX

5 years

EXPERIENCE

React Native Developer

Saeko Inc.

May 2023 – May 2025

Pachuca de Soto, HGO, MX

- Lead the complete rewrite of a legacy React Native application, implementing modern best practices and TypeScript for enhanced type safety and maintainability
- Designed and implemented a scalable project structure following clean architecture principles, significantly improving code organization and maintainability
- Developed comprehensive documentation and established coding standards to ensure consistent development practices
- Implemented automated testing strategies using Jest and React Native Testing Library to ensure code reliability and maintainability
- Optimized application performance through efficient state management, code splitting, and proper component lifecycle management
- Integrated native modules and bridged native APIs to enhance application functionality on both Android and iOS platforms
- Established CI/CD pipelines and automated deployment processes to streamline the development workflow
- Conducted code reviews and implemented quality assurance processes to maintain high code standards
- Successfully migrated the application to TypeScript, improving type safety and reducing runtime errors

Front-end Developer

Broxia Intelligence

Sep 2022 – Jul 2023

Tabasco, TAB, MX

- Developed and maintained a monitoring platform for petroleum extraction equipment
- Utilized Vue.js, Tailwind CSS, and Pinia to create a responsive and user-friendly interface
- Integrated ECharts to visualize data and provide insights to users
- Collaborated with a team of developers to ensure the platform met client requirements
- Optimized the platform for performance and user experience
- Used Vitest and Cypress to implement automated tests and ensure the reliability and functionality of the developed code

Full-stack Web Developer and System Administrator

Lion Intel

Jan 2021 – Aug 2022

Aguascalientes, AGS, MX

- Developed, maintained, and enhanced PHP-based ERP and CRMs using PHP, HTML, CSS, JavaScript, jQuery, and Ajax
- Utilized Vue and React frameworks across diverse front-end projects
- Developed and maintained .NET Core applications, implementing RESTful APIs and integrating with various database systems
- Utilized Node, Express, Django, and .NET Core frameworks across diverse back-end projects
- Integrated web services using REST and SOAP, enhancing functionality and data exchange between systems
- Managed MySQL and SQL Server databases, including designing tables, infrastructure and optimizing queries
- Performed system administration tasks on Ubuntu and Debian web servers, including setup, configuration, and maintenance
- Collaborated with cross-functional development teams to gather and comprehend project requirements, ensuring alignment with stakeholders. Employed the Scrum Agile methodology to facilitate iterative development, regular sprint planning, and timely delivery of high-quality projects

React Native and Front-end Developer

Aug 2020 – Jan 2021

Bizont

Whitehorse, YT, CA

- Developed and maintained cross-platform mobile applications using React Native, ensuring consistent performance across iOS and Android platforms
- Implemented native modules and bridged native APIs to enhance mobile app functionality and performance
- Utilized React Native's component-based architecture to create reusable UI components and maintainable code
- Integrated third-party libraries and APIs to extend app capabilities and improve user experience
- Worked with state management solutions like Redux and Context API to handle complex application states
- Optimized mobile app performance through code splitting, lazy loading, and efficient rendering techniques
- Collaborated with designers to implement responsive layouts and ensure pixel-perfect UI implementation
- Implemented automated testing using Jest and React Native Testing Library to ensure code reliability
- Maintained clear documentation and demonstrated effective communication in English within the development team

TECHNICAL SKILLS

Languages (Scripting): JavaScript, PHP, Lua, Python, GDScript

Languages (General purpose): C/C++, C#, Python, Java, GDScript

Languages (Query databases): MySQL, PostgreSQL, GraphQL, MongoDB, SQL Server

Languages (Hardware description): VHDL, Verilog

Languages (Markup): HTML/CSS, Less, Sass, LaTeX, Markdown, XML, YAML, JSON

Languages (Others): MATLAB, Assembly

Frameworks: React, Vue, Node.js, React Native, .NET Core, ASP.NET, WordPress, Drupal, FastAPI, Laravel, Hugo, Astro, Electron

Developer Tools: Git, Docker, APIs REST, APIs SOAP, VIM, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Xilinx ISE

Libraries: jQuery, Axios, Redux, Jest, Moment.js, Chart.js, i18n, react-intl, Ionic, Gatsby, Express, Tailwind, Bootstrap, React Router, Redux, Material-UI, Styled-components, Twig, Pandas, NumPy, Pinia

Others: Machine learning, Data analysis, Excel, Circuit analysis, Circuit design, FPGAs, PLCs, Machine vision systems, fuzzy systems, Mock-ups for printed materials, Spreadsheet and slideshow creation, Data analysis, Image and video edition, Vector image and logo design

SOFT SKILLS

Verbal communication, teamwork skills, problem-solving, work under pressure, public speaking, decision making, creative, ethical, analytical and professional, funny.