

Cristian Sierra

Software Engineer | Web Developer

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PROFESSIONAL SUMMARY

Experienced Fullstack Developer and evolving Democratic Lead with a strong foundation in backend development and over 8 years of experience developing scalable web applications. Possess a strong background in developing microservices, implementing AWS services, leading, and mentoring. Proactive to follow new and emerging tools. Proficient in Nodejs, Typescript, JavaScript, HTML, CSS, and AWS services. Currently ready to work as an open work permit holder.

HARD SKILLS

NodeJS, TypeScript, JavaScript, NestJS, ReactJS, NextJS, AngularJS, Express, PHP, Python, WordPress, Laravel, MongoDB, MySQL, PostgreSQL, ORM, TypeORM, AWS, REST, Microservices, GraphQL, Jest, Git – Gitlab, Scrum, Google Cloud (Storage), Firebase, and AWS (Lambda, S3, State Function, API Gateway, Cloud Formation).

SOFT SKILLS

Democratic Lead, Committed, proactive self-learner, critical thinker, creative, communicative, and problem solver, with attention to detail, collaborative, team player, and ability to lead.

WORK EXPERIENCE

Software Engineer • MCAP • Kitchener, Canada
Current

May 2024 -

Develop and review software programs, code, and unit tests for new and existing applications and systems, ensuring functional and non-functional requirements are met.

Recommend, schedule, and perform software improvements and upgrades for optimal performance of company workstations.

Work on the development and design of relational databases using the SQL Server engine and also in non-SQL databases such as MongoDB.

Software Developer • Dualboot Partners • Charlotte, North Carolina, USA

May 2022 – June 2024

Directed a cross-functional team of four developers to deliver a REST API in Laravel (PHP) for GreenPlaces that enables third-party client access to platforms such as appliances, bills, travel expenses and insights, therefore enhancing their experience.

Engineered a REST API in NestJS (Express, NodeJS, TypeScript) for FemHealth's web app, incorporating AWS Cognito, MongoDB, Redis, Slack API, and Airtable for improved data visualization and user interaction.

Piloted a collective design effort for a Shopify add-on to give customers the ability to buy subscriptions for products and bundles, implementing Liquid, Nodejs (JavaScript, Typescript), PostgreSQL, ReactJS, GraphQL, and the Shopify API.

Software Developer • Cafeto Software • Houston, Texas, USA
2022

Sep 2021 - Apr

Fostered an inclusive environment for adopting TypeScript best practices, leading by example and through open dialogue. I initiated and developed comprehensive mentorship courses, encouraging the team's continuous learning and mastery of TypeScript.

Implemented a "Single-Table Design" approach with DynamoDB for the Next-Gen Control Panel for the 6Connex web app, allowing less AWS resource consumption while delivering low-time response times.

Developed and implemented a microservices architecture using AWS Lambda Functions, designed to enhance the UI/UX layer for a dynamic Vue.js application.

Integrated Google Cloud (Cloud Storage) for efficient data storage and retrieval in the 6Connex Next-Gen Control Panel, achieving faster asset loading times and enhanced application performance.

Ssr Software Developer • Globant • Bogota, Colombia
2021

Jan 2019 - May

Took ownership in the migration of the Learners module from AWS Lambda (Nodejs) to Nestjs (Monorepo, Nodejs, Typescript).

Performed triage and code review of Pull Request to guarantee the implementation of best typescript practices, as well as implemented GitHub hooks to check code using a linter.

Designed the migration of the data source from DynamoDB to MongoDB and reduced the usage of AWS resources and, therefore, lowered the costs of infrastructure.

Developed microservices for the Instride API, making use of Lambda functions, DynamoDB, Step Functions, and S3, covering modules such as Learners, Eligibility, Marketing, and Corporate Partners.

Made Jenkins CI/CD scripts that allowed the synchronization of database records through development, QA, and stage environments, as well as the generation of reports for marketing metrics.

EDUCATION

Web Development
Conestoga College • Kitchener, ON, Canada.

May 2021 - Aug 2023

Computer Software Engineering
Universidad Distrital Francisco José de Caldas • Bogota, Colombia

Jun 2017 - Aug 2018

Systems Engineer (Computer Science)
Corporación Universitaria Rafael Núñez • Cartagena, Colombia

Jan 2011 - Aug 2016

PROFESSIONAL CREDENTIALS

English for Academic Studies - Conestoga College
Scrum Master Certified (SMC) - CCTI - Consultoría en Tecnología

2023
2018