Cesar Torres

Systems Engineer / Backend Developer

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PROFESSIONAL SUMMARY

I am a person who is very passionate about technology. I believe that programming has a tremendous capacity to change the world and I want to be part of that change by creating incredible products. I have primarily worked in **Web Development** with **JavaScript**, **TypeScript**, **Node.js**, **Express.js** and **Nest.js.** I am currently interested in expanding my backend development skills into interesting and innovative projects.

SKILLS AND STRENGTHS

- **Primary technical skills:** JavaScript, TypeScript, Node.js, Express.js, Nest.js, MongoDB, PostgreSQL, PrismaORM, Swagger, Scrum, Git.
- **Secondary technical skills:** React.js, Vue.js, Python, Java, AWS, HTML, CSS, JQuery, MySQL, SQLServer, SQLite, Sequelize ORM.
- **Personal skills** - Organization, Troubleshooting, Communication, Teamwork, Leadership, Enthusiasm.
- **Languages:** Spanish Native, English B1.

WORK EXPERIENCE

Mediastream: Backend developer | 02/2024 - Present
- Creation of functionalities oriented to streaming and VOD processes in **Node.js** with **JavaScript** and **CoffeeScript**.
- Management of the **Mongoose** with **MongoDB**.
- Implementation of **API-REST** endpoints.
- Development of client consumers and forms logic on **JavaScript** and **CoffeeScript**.
- **Payment Gateway** Implementation.

MarketXM: Fullstack developer | 02/2023 - 01/2024
- Creation of functionalities oriented to financial processes of credits and derivatives in **Node.js** with **Javascript** and **Typescript**.
- Management of the **Sequelize ORM** and **Prisma ORM** with **PostgreSQL**.
- Development of **SPA** in **React.js**.
- Implementation of **API-REST** and **Microservices** system using **Clean Architecture** and **Event-Driven Architecture** with **Kafka**.
- Implementation of authentication and authorization mechanisms with **JWT**.
- Configuration of **AWS** services such as: IAM, S3, API Gateway, Lambda and CloudWatch.

NullSpace: Developer | 01/2021 - 11/2022
- Development of 3D rendering functionalities for a **SPA** with **Vue.js** and **Three.js**.
- Improvements of views in **Wordpress** with **Javascript**, **HTML** and **CSS**.
- Improvements for a Gmail Google Chrome extension with **Javascript**.
- Building Reinforcement Learning Algorithms with **Python** and **RLlib**.
- Creation of Vuforia Android App With **Java** and **Kotlin**.

EDUCATION

- **Ingeniería de sistemas y computación.** 2016 - 2022. Universidad Nacional de Colombia. Colombia.
- **Tecnólogo en análisis y desarrollo de sistemas de información.** 2014 - 2016. Servicio Nacional de Aprendizaje (SENA). Colombia.

COURSES

- Nest.js: Programación modular | 05/2024
- Nest.js: Backend | 05/2024
- Introducción a AWS: Cómputo, almacenamiento y bases de datos | 04/2024
- MongoDB: Introducción a MongoDB | 04/2024
- Introducción a AWS: Fundamentos del Cloud Computing | 11/2023
- EcmaScript: Historia y versiones de Javascript | 09/2023
- Curso de Node.js: Autenticación, Microservicios y Redis | 08/2023
- Curso de React.js: Manejo profesional del estado | 06/2023
- Curso de Node.js: Bases de datos con MongoDB y WebSockets | 06/2023
- Curso de React.js: Patrones de render y composición | 05/2023
- Backend con Node.js: Autenticación con passport.js y JWT | 04/2023

PROJECTS

Nest.js General Architecture: Backend developer | 05/2024 - Present
- Development of **Nest.js 3 layered architecture REST-API** general template.
- Applying linters, aliases, static generalized data, general response, errors general handler, middlewares, swagger auto documentation, DTO's, Generalized environment variables configuration, winston logger and environment segmentation.

BookXM (MarketXM): Fullstack developer | 08/2023 - 01/2024
- Creation of functionalities in **Node.js** with **Javascript** and **Typescript**.
- Management of **Prisma ORM** with **PostgreSQL**.
- Development of **SPA** in **React.js**.

- Implementation of **API-REST** and **Microservices** system using **Clean Architecture** and **Event-Driven Architectur**e with **Kafka**.
- Implementation of authentication and authorization mechanisms with **JWT**.
- Configuration of **AWS** services such as: IAM, S3, API Gateway, Lambda and CloudWatch.

CollXM (MarketXM): Fullstack developer | 02/2023 - 08/2023
- Creation of functionalities in **Node.js** with **Javascript**.
- Management of the **Sequelize ORM** and **Prisma ORM** with **PostgreSQL**.
- Development of **SPA** in **React.js**.
- Implementation of **API-REST** using **Clean Architecture**.
- Implementation of authentication and authorization mechanisms with **JWT**.

Updaty: Node.js developer | 10/2023 - 01/2024
- Creation of NPM package with **Node.js** and **Javascript** to get and format internet real data with AI and keep it up to date.
- Implementation of **ChatGPT** AI on **Node.js** to interpret and format internet data results.
- Use of **SQLite** to manage internet real data information.

Node.js General Architecture: Backend developer | 03/2023 - 10/2023
- Development of **Node.js Clean architecture REST-API** general template.
- Applying linters, aliases, general response, errors general handler, middlewares, swagger, schemas, OOP, environment variables, authentication and authorization with JWT, Encrypt passwords, nodemon and winston Logger.

Cerciber Webpage: Frontend developer | 12/2022 - 01/2023
- Design and development of a **SPA** on **Vue.js** to show information about me.
- Deployment with **Namecheap** and **GitHub Pages**.

K-boom (Nullspace): Android developer | 07/2021 - 11/2021
- Creation of Android App With **Java** and **Kotlin** to show interactive murals through the cell phone camera.
- Use of **Vuforia** and **C++** to allow the use of augmented reality.
- **XML** management for UI and UX design.

HomePage (Nullspace): Frontend developer | 01/2021 - 03/2021
- Creation of a **SPA** on **Vue.js** to show information about Nullspace company.
- Creation of part of the 3D environment, colors interactions and particles using **Three.js**.

Time Detector System (Cycling & Race): Developer | 11/2020 - 01/2021
- Development of a monolithic system for detecting times and generating results tables in cycling races using **Java SE** and **Java FX**.
- Administration of local information using **SQLite**.

Sigmath Platform: Fullstack developer | 01/2020 - 12/2020
- Development of a **REST-API** with **Node.js** and **Express.js** and a **Web-App** with **Vue.js** to create graphical and programmatic mathematics in an easy and intuitive way based on **Python** and **LaTeX** using **5-layered architecture**.
- Database administration with **PostgreSQL** and **Sequelize**.

TrimCode: Developer | 02/2020 - 04/2020

- Development of a desktop application on **Java SE** to save and execute scripts from different programming languages (C, C++, Python, Java, and Javascript).
- Use of **batch commands** to configure different type compilers.

StructFile: Developer | 08/2019 - 11/2019
- Development of a **programming language** based on filters and patterns to manage plain text, files and directories in the operating system.
- Use of **Java SE, Python, ANTLR** and **RegEx** to implement lexical, syntactic and semantic logic.

FindCode: Developer | 08/2018 - 11/2018
- Development of a desktop application on **Java SE** to save, manage and comment pieces of code interactively.
- Connection with **MySQL** to manage all data persistence.

TankAttack: Developer | 02/2017 - 11/2017
- Development of a local 2-player desktop game with **Java SE** and **Java Swing** to capture the flag with tanks.

QuickList: Developer | 08/2015 - 06/2016
- Creation of an information system on **Java SE** for the integration of administrative-academic responsibilities on SENA.
- Connection with **SQLServer** to manage all data persistence.