

Sebastian Moreno Rodríguez

Fullstack Developer

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<https://github.com/7Steng7>

Professional Summary

Fullstack Developer with experience in designing, developing, testing, and deploying web and mobile applications. Proficient in technologies such as React Native, Angular, Node.js, Nest.js, and databases like MongoDB, MySQL, and Firebase. Skilled in API integration, JWT authentication, AWS deployment (EC2, RDS, Route53), and performance optimization. Proactive leader with strong problem-solving, time management, and teamwork skills. Passionate about building scalable and efficient solutions, with a focus on code quality and user experience.

Work Experience

Fullstack Developer

Bicycle Capital | 2022 - 2025

- **React Native Mobile App Development:** Created and maintained a sustainable mobility app, focusing on user experience and performance.
- **API Implementation with Node.js and Nest.js:** Developed and configured robust APIs with JWT authentication, endpoint pagination, and testing using Postman.
- **Interactive Dashboard with Angular:** Designed and developed a control panel for data visualization and filtering, enabling informed decision-making.
- **AWS Infrastructure Configuration and Optimization:**
 - Migrated databases to MongoDB Atlas, improving performance by **25%** and ensuring high availability.
 - Configured EC2 instances, load balancers, and DNS routing with Route53.
- **Performance Optimization:**
 - Implemented pagination in endpoints, reducing load times by **35% for large data queries**, enhancing user experience and system efficiency.
- **Team Collaboration:** Worked in a team of 4-5 members, leading technical solutions and participating in strategy meetings.
- **Positive Feedback:** Consistently recognized by colleagues and supervisors for high-quality work and effective problem-solving.

Key Projects

Personal Website

- Developed a personal website using Next.js and Tailwind CSS, showcasing my profile, skills, and projects.
- **Technologies:** Next.js, Tailwind CSS, JavaScript.
- **Repository:** <https://github.com/7Steng7/Steng-s-portfolio>
- **Demo:** <https://steng-s-portfolio.vercel.app>

To-Do List Web Application

- Built a task management app using React, leveraging React Context for state management and LocalStorage for data persistence.
- Implemented categories and the Eisenhower Matrix for task prioritization.
- **Technologies:** HTML5, CSS3, JavaScript, React.
- **Repository:** <https://github.com/7Steng7/todolist>
- **Demo:** <https://todolist-steng.vercel.app>

Blog API

- Developed a RESTful API for managing blog posts, users, and comments using NestJS and MongoDB.
- Implemented user authentication, data validation, password hashing for security, and automated API documentation with Swagger.
- Demonstrated the ability to build scalable, modular, and well-documented APIs.
- Deployed the API on Google Cloud Platform (GCP), managing cloud infrastructure, network configuration, and ensuring secure application deployment in a professional environment.
- **Technologies:** Nestjs, MongoDB, Mongoose, Swagger, bcrypt, jest, GCP.
- **Repository:** <https://github.com/7Steng7/stengsBlogAPI>

API – Auth/Login/Token-Refresh

- Implemented a user authentication and management system using NestJS, enabling the following features:
 - CRUD operations for users.
 - User login with email and password validation, generating a JWT token for active users.
 - Password recovery system with email notifications and personalized reset links.

- Developed two controllers:
 - AuthController: Handles session management, including login and refresh tokens.
 - UsersController: Manages user operations (create, read, update, delete).
- **Technologies:** Nestjs, MongoDB, Mongoose, Swagger, bcrypt, jest, Docker.
- **Repository:** <https://github.com/7Steng7/Nestjs-token-refresh>

Education

Bachelor's in Systems Engineering

Universidad Distrital Francisco José de Caldas | 2019 - 2022

Certifications

FullStack Developer

Bictia | March 2020 - July 2020 | **Certification**

Web Page Creation

Bictia | January 2020 - March 2020 | **Certification**

Technical Skills

- **Frontend:** HTML5, CSS3, JavaScript, Angular, React, React Native, Next.js, Tailwind CSS, Materialize, Bootstrap.
- **Backend:** Node.js, Nest.js, Express, JWT.
- **Databases:** MongoDB, MySQL, Firebase.
- **Cloud Computing:** AWS (EC2, RDS, S3, Route53, Elastic Load Balancing).
- **Tools:** Git, Postman, Trello, REST/APIs, unit and integration testing.

Soft Skills

- Problem-solving
- Time management
- Teamwork
- Technical leadership
- Effective communication

Languages

- Spanish: Native
- English: Intermediate