

## Sebastian Moreno Rodríguez

### Fullstack Developer

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

## Professional Summary

Software Developer with experience in designing, testing, and deploying applications for the digital world. Proficient in technology and frameworks such as React Native, Angular, Node.js, Nest.js, and databases like MongoDB, MySQL, and Firebase. Skilled in API integration, JWT authentication, AWS cloud infrastructure 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. Experienced in working with teams and clients to deliver high-quality products in fast-paced environments.

## Work Experience

### Fullstack Developer

**Bicycle Capital** | 2022 – 2025

- **React Native Mobile App Development:** Created and maintained a sustainable mobility application, focusing on user experience and performance to meet the needs of clients and customers.
- **API Implementation with Node.js and Express:** Developed and configured robust APIs with JWT authentication, endpoint pagination, and testing using Postman, ensuring seamless integration with other systems.
- **Interactive Dashboard with Angular:** Designed and developed a control panel for data visualization and filtering, enabling team members and stakeholders to make informed decisions in real-time.
- **AWS Infrastructure Configuration and Optimization:**
  - Migrated databases to MongoDB Atlas, improving performance by 25% and ensuring high availability for production environments.
  - Configured EC2 instances, load balancers, and DNS routing with Route53, enhancing cloud infrastructure reliability.
- **Performance Optimization:**
  - Implemented pagination in endpoints, reducing load times by 35% for large data queries, enhancing user experience and system efficiency in high-demand situations.
- **Team Collaboration:** Worked in a development team, leading technical solutions and participating in strategy meetings to overcome challenges and deliver high-quality products.
- **Positive Feedback:** Consistently recognized by colleagues and supervisors for high-quality work and effective problem-solving in complex environments.

## Key Projects

### Personal Website

- Developed a personal website using Next.js and Tailwind CSS, showcasing my profile, skills, and projects to the digital world. The design follows a pirate-themed aesthetic, creating a unique and engaging user experience.
- **Technologies:** Next.js, Tailwind CSS, JavaScript, Typescript.
- **Repository:** <https://github.com/7Steng7/Steng-s-portfolio>
- **Demo:** <https://steng-s-portfolio.vercel.app>

### To-Do List Web Application

- Built a task management application using React, leveraging React Context for state management and LocalStorage for data persistence.
- Implemented categories and the Eisenhower Matrix for task prioritization, enhancing productivity for clients and customers.
- **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, demonstrating expertise in programming languages and systems integration.
- Implemented user authentication, data validation, password hashing for security, and automated API documentation with Swagger.
- Deployed the API on Google Cloud Platform (GCP), managing cloud infrastructure, network configuration, and ensuring secure application deployment in a professional environment.
- **Technologies:** Typescript, Nestjs, MongoDB, Mongoose, Swagger, Bcrypt, Jest, GCP.
- **Repository:** <https://github.com/7Steng7/stengsBlogAPI>

### API | Authentication-Login/Token-Refresh

- Implemented a user authentication and management system using NestJS, enabling CRUD operations for users, login with email and password validation, and password recovery with email notifications.
- Developed two controllers: AuthController for session management and UsersController for user operations, showcasing the ability to handle complex challenges in application development.
- **Technologies:** Typescript, 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 – 2020 | **Certification**

## **Web Page Creation**

Bictia – 2020 | **Certification**

### **Technical Skills**

- **Frontend:** HTML5, CSS3, JavaScript, Typescript, Angular, React, React Native, Next.js, Tailwind, Bootstrap, Redux, Mobile First.
- **Backend:** Node.js, Nest.js, Express, JWT, Authentication, Session.
- **Databases:** MongoDB, MySQL, Firebase.
- **Cloud Computing:** AWS (EC2, RDS, Route53, Elastic Load Balancing, Lambda).
- **Tools:** Git, Postman, Trello, REST/APIs, unit and integration testing, TDD, Jest.

### **Soft Skills**

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

### **Languages**

- Spanish: Native
- English: Intermediate