

# ALEXANDRE DRESCH

## FULL STACK DEVELOPER

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### SKILLS

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**Programming Languages and Frameworks:** JavaScript, TypeScript, HTML, CSS, Node.js, React, React Native, NextJS, NestJS.

**Databases:** MongoDB, Postgres, SQL.

**Testing:** Jest, SuperTest, Cypress (used for unit and integration testing).

**Tools and Practices:** Express, Prisma, Docker, NGINX, Object-Oriented Programming (OOP), Development Best Practices, Git, Trello, Figma, Agile Methodologies (Scrum, Kanban).

**Concepts:** Computer Networks, Algorithm Complexity, Deployment Processes, CI/CD.

**Learning:** Angular, Java (Spring Boot).

**Languages:** English (Advanced/Fluent), Portuguese (Native), German (Basic).

### EXPERIENCE

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#### Projetos Driven | Full-Stack Developer | Sep/22 - Jul/23

- Developed over 20 complete web applications, covering both front-end and back-end, using various technological stacks and dealing with diverse business rules.
- Managed the entire software development life cycle, from conception to final delivery, ensuring adherence to deadlines and quality requirements.
- Implemented various features such as user authentication systems and data management, enhancing interactivity and usability of the applications.
- Created unit and integration tests to ensure code quality and reliability.
- Designed and integrated databases with user interfaces to establish a solid connection between system components.
- Solved programming challenges and quickly learned new technologies as required by projects, increasing development efficiency.
- Collaborated in agile teams using methodologies like Scrum, contributing to the agile and effective delivery of products.

#### Project: Payment Platform and Certificates for Events

- I was responsible for implementing the payment logic and creating the screen of certificates in a legacy event web application.
- I used the Stripe platform for payment processing.
- The technology stack included React (TypeScript) on the front-end and Node (TypeScript) on the backend.
- To optimize code security and scalability, I applied Prisma as ORM.
- Adopted principles of clean code and software testing to ensure high quality.

#### Achievements:

- Successfully implemented the integration of the Stripe platform for processing payments, improving the user experience.
- I developed the certificates screen, allowing event participants to obtain their credentials automatically.
- I used clean code concepts, resulting in a more readable and easy-to-use code maintenance.
- I applied software tests, ensuring the robustness of the functionalities and reducing the occurrence of bugs.

#### Project: Travel Social Network

- I participated in all stages of the development of a social network focused on travel, from conception to full implementation.
- On the back-end, I used Node (TypeScript) and Postgres, combined with Prisma to speed up data access.

- On the front-end, I chose React with Vite to guarantee high performance, in addition to applying Tailwind CSS for efficient styling.

Achievements:

- Leadership in designing and implementing a comprehensive social network, providing users with a platform to share their experiences of trip.
- Development of essential features, including user registration, feed of posts, custom profiles and interactions through comments.
- Creation of a dynamic and intuitive interface for creating new posts, promoting a user-friendly experience.

## EDUCATION

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### **Driven Education | Full Stack Web Development | Sep/22 - Jul/23**

- Intensive training based on market practices with hands-on experience in software development projects.
- Practical projects with clear requirements and defined deadlines, replicating the pace and demands of technology teams.
- Team work dynamics, including weekly sprints, daily stand-up meetings, and retrospectives.

### **Uninter | Analysis and Systems Development | Sep/21 - Mar/24**

- Programming fundamentals: logic, data structures, algorithms, programming paradigms.
- Database: understanding of data modeling concepts, SQL, database administration, and knowledge of database management systems (DBMS).
- Systems analysis and design: requirements gathering techniques, process modeling, UML diagrams, feasibility analysis, and project planning.
- Information security: security principles, data protection, user authentication and authorization.