






# MAARCUS RENIERO L

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## EDUCATION

### Rajalakshmi Engineering College

*Bachelor of Technology, Computer Science and Business Systems - GPA: 7.98*

India

2020 - 2024

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## SKILLS

**Languages:** Java, JavaScript, TypeScript

**Frontend:** Angular, React, Next.js, HTML, CSS, Tailwind CSS, ShadCN UI

**Backend:** Spring Boot, Spring Batch, Node.js, Express.js, tRPC

**Databases:** PostgreSQL, MySQL, MongoDB, Redis

**Cloud & Infrastructure:** AWS (S3, EC2, SQS, SNS, RDS), Vercel

**ORM & Data Access:** JPA, JDBC, Prisma, Drizzle

**Authentication & CMS:** NextAuth, Strapi

**Tools & Others:** Git, Docker

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## PROFESSIONAL EXPERIENCE

### Developer 1 - Software Engineering

*UST HealthProof*

Kochi, India

Jan 2025 - Present

- Designed and implemented a **data integrity validation system** to ensure consistency between source and target databases by validating data availability and attribute-level accuracy.
- Led the **decoupling of transaction integrity workflows** from a tightly coupled external system, improving performance and system modularity.
- Built **microservices-based data pipelines** using **Spring Boot and Spring Batch** to extract data from external sources, transform it into domain-specific entities, and persist it into internal systems.
- Architected and delivered the **end-to-end data integrity pipeline** — from requirement analysis and system design to development, testing, and production rollout.
- Acted as **feature owner and lead developer**, designing workflows, creating system diagrams, and coordinating implementation across modules.
- Resolved **critical production issues** by debugging backend services and improving system reliability and stability.

### Next.js Intern

*Matlync*

Remote

Jan 2024 - Feb 2024

- Developed frontend features for a **boutique e-commerce platform** using **Next.js**.
- Integrated **Strapi CMS APIs** for dynamic content rendering.
- Deployed applications using **Vercel**.

### Full Stack Developer Intern

*STEAM Troops Innovation Labs Pvt. Ltd.*

India

Sep 2023 - Jan 2024

- Built a **Learning Management System (LMS)** using **Next.js, PostgreSQL, and NextAuth**.
- Implemented **authentication, course management, and content features**.
- Designed and consumed **REST APIs** and handled database operations.
- Deployed applications using **Vercel**.

- Performed **network configuration, router setup, and troubleshooting**.
- Built **Ethernet cables** and handled system maintenance.
- Prepared for **CCNA and CCNP** certifications.

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## ACHIEVEMENTS

- Secured **3rd place** in a competitive **hackathon organized by the Designers Consortium**, demonstrating strong problem-solving and rapid development skills.
- Served as **Project Director – Web Technologies** in the **Designers Consortium**, leading development initiatives and driving execution across multiple technical projects.
- **Spearheaded and conducted a technical symposium (2023)** in a leadership role, managing end-to-end planning, coordination, and execution.
- Engineered and deployed the **official symposium website (2022)**, enhancing digital presence and accessibility for participants.
- **Conducted FrameX (UI Development Competition)**, attracting **800+ participants out of 1000 total attendees**, making it the most attended event in the symposium.

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## PROJECTS

### NextAuth Masterclass Platform

- Built a production-ready authentication system using **Next.js, TypeScript, NextAuth, and PostgreSQL**.
- Implemented **OAuth (Google, GitHub), 2FA**, email verification, and role-based access control.
- Designed reusable auth utilities, middleware, and session handling logic.

### E-commerce Admin Dashboard

- Developed a multi-tenant admin dashboard using **Next.js, TypeScript, tRPC, Prisma, and PostgreSQL**.
- Built CRUD systems, search, filtering, pagination, and analytics dashboards.

### Productivity Management Tool

- Built a collaborative task and project management system using **Next.js, TypeScript, tRPC, Prisma, and PostgreSQL**.
- Designed relational data models and implemented team collaboration features with access control.

### List Leap

- Built a collaborative board and task management system using **Next.js, TypeScript, MongoDB, Tailwind CSS**.
- Implemented drag-and-drop workflows, activity logs, and structured CRUD operations.
- Integrated **Stripe** for subscription-based premium features.

### Real-Time Chat Application

- Developed a real-time messaging system using **Next.js, NextAuth, Redis, and Tailwind CSS**.
- Implemented friend management, authentication, and instant messaging workflows.

### Password Manager

- Built a secure password storage system using **Next.js, TypeScript, tRPC, Prisma, and PostgreSQL**.
- Implemented authentication, encryption, and password generation features.

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## CERTIFICATIONS

- **AWS Academy Cloud Foundations** — Amazon Web Services *Sep 2022*
- **Modern React with Redux** — Udemy *Jul 2023*
- **Git and GitHub** — Coursera *Jun 2023*
- **Data Structures and Algorithms using C++** — Udemy *Feb 2023*
- **Database Programming with PL/SQL** — Oracle *Jun 2022*
- **Database Programming with SQL** — Oracle *May 2022*
- **The Complete Web Development Bootcamp** — Udemy *Aug 2020*