

Naol Melesse

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EDUCATION

MS, Computer Science (Software Engineering)

Seattle University -- Seattle, WA

Software Engineering Fundamentals, Software Architecture and Design, Software Testing and Debugging, SAAS, Distributed Systems, Cloud Computing (AWS, Azure)

GPA: 3.6

Bachelor of Technology, Computer Engineering

Marwadi University -- Rajkot, India

Data Structures, Design and Analysis of Algorithm, Object-oriented programming, Java, Database Management, .NET, Cloud Computing, Data Mining, Web technologies, Software engineering

CGPA: 3.6

- Awarded fully-funded scholarship under Study-In-India program

SKILLS

Programming Languages: Java, C#, JavaScript, TypeScript, C++, Python

Frameworks & Libraries: Spring Boot, Django, Node.js, React, Next.js, Express, JQuery, Tailwind CSS, Angular, Strapi

Backend & Systems: REST APIs, Microservices Architecture, Distributed Systems, Event-Driven Systems, Serverless Applications

Databases: PostgreSQL, MongoDB, GraphQL, MySQL

AI Developer Tools: Claude, Cursor, Copilot

Cloud & DevOps: AWS (EC2, S3, Lambda, API Gateway, RDS), Azure, Docker, Terraform, CI/CD Pipelines, GitHub Actions

Testing & Observability: Playwright, Cypress, Automated Testing, Integration Testing, UI Testing, Regression Testing, Grafana

Tools: Git, GitHub, Jira, Postman, Stripe, Google Analytics

EXPERIENCES

Software Quality Assurance Engineer | Auditorium (Remote, UK)

March 2024 - May 2025

- Developed **automated UI testing pipelines** using **Playwright** and **GitHub Actions**, achieving **85% coverage of critical user workflows** that impacted about 10,000 monthly users
- Executed **manual exploratory, smoke, and regression testing** to ensure stability before production releases.
- Identified and reported **release-blocking bugs**, improving platform reliability and reducing production defects.
- Collaborated with frontend engineers working in **React and TypeScript** to debug and resolve UI issues.
- Contributed minor frontend fixes to improve development velocity and release cycles.
- Worked in **Agile development environments**, participating in sprint planning, bug triaging, and release testing.

UI Developer Intern | Asite (Ahmedabad, India)

January 2023 - April 2023

- Designed and developed **Angular frontend components** for a Learning Management System used by students and teachers.
- Integrated frontend components with **backend REST APIs** to enable course tracking, exams, and resource management.
- Collaborated with backend engineers to implement **data-driven UI features** and improve application performance.

PROJECTS

Centralized sports data system (Graduation Capstone Project)

Sep 2025 - June 2026

Designed and developed a cloud-based distributed data platform for collecting and analyzing sports performance data for around 350 student-athletes. This project enabled athletes and coaches to access training data and analytics. Implemented **automatic services** to ingest and process data from external sports technology devices. Project was built with a React client powered by a Django backend.

Senior Home-Care Service Platform (Client project)

Built a full-stack marketplace platform where service providers can list home-care services and customers can search and connect with providers. Developed RESTful APIs and backend services using Node.js and Express. Implemented search, filtering, form validation, and admin dashboards using Next.js and TypeScript. Designed relational PostgreSQL database schemas for service listings and customer inquiries.

MonthlyTag - monthlytag.com (Client project)

Sep 2025 - Current

Monthly Tag is a parking booking platform which I built for a personal client. It's an early startup being driven by an entrepreneur. The platform enables managing parking bookings for businesses and booking parking spaces for customers. Built a responsive user interface for searching, booking, and managing monthly parking spaces using PERN stack. Followed Agile development practices including requirement gathering, design, and iterative implementation. Challenges for this project were designing a maintainable ER and role based access. This is an ongoing project with periodic maintenance and updates.