

Faaez Razeen Nizamudeen

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Education

University of Illinois Urbana-Champaign

Aug 2022 - May 2024

Master's in Computer Science (GPA: 3.76/4.00)

Champaign, Illinois

Courses: Advanced Software Engineering, Database Systems, Web Development, User Interface Design, Competitive Programming

Crescent Institute of Science and Technology

Aug 2016 - May 2020

Bachelor of Technology, Computer Science and Engineering (GPA: 9.06/10.00)

Chennai, India

Courses: Distributed Systems, Data Structures & Algorithms, Object Oriented Programming, Artificial Intelligence

Experience

Navan

Sep 2024 – Apr 2025

Software Engineer

Palo Alto, California

- Redesigned Navan Expense's homepage using **Angular v16/TypeScript**, supporting **1.5M+ monthly transactions** for **800k+ users** across enterprise clients including Adobe, Netflix, Stripe, and Scale AI.
- Built modular UI components including an email receipt-forwarding flow, a reusable transaction list, and a tasks dashboard to streamline expense management workflows.
- Maintained comprehensive test coverage with **Jest** unit tests and **Cypress E2E** testing, achieving **80%+ coverage** across user-facing components serving **16k+ business customers**.
- Improved accessibility by implementing **ARIA roles**, keyboard navigation, and resolving interface inconsistencies across the redesigned platform.

Graybar

May 2023 – Jun 2024

Software Engineer

Champaign, Illinois

- Engineered an end-to-end web application for sales representatives, utilizing **TypeScript**, **React**, and **MongoDB's** fuzzy search, revolutionizing the quote-to-order process and slashing quote processing time by **90%**.
- Led the comprehensive rewrite of a core internal application using **React**, **TypeScript**, **Node.js**, and **Microsoft SQL Server**, transitioning away from a licensed solution and realizing annual cost savings of **\$60,000**.
- Optimized API data retrieval through strategic caching implementations (**React Context API** with **Session Storage**), resulting in an **80%** reduction in response times and bandwidth consumption compared to previous iterations.

Thinkbridge

Feb 2021 – Jun 2022

Software Engineer

Pune, India

- Spearheaded machine learning **DevOps / MLOps** initiatives on **Azure** in a 14-member cross-functional team, optimizing deployment processes and boosting collaborative development efficiency.
- Architected a bespoke machine learning **model versioning system** using **FastAPI** and **Azure Blob Storage**, overcoming limitations in publicly available model serving libraries like **TensorFlow Serving** and **BentoML**.
- Developed a model re-training pipeline using **Azure Web Apps** as part of an effort to save costs by not relying on **Azure ML**, realizing significant monthly cost savings of **\$5,000**.

Technical Skills

Languages: Python, TypeScript, JavaScript ES6+, Golang, SQL, HTML5, CSS3, C/C++

Technologies/Frameworks: React, Angular, Redux, Next.js, Express, Node.js, Bun, Cypress, Flask, FastAPI

Databases: MySQL, PostgreSQL, NoSQL, MongoDB, Redis, DynamoDB, Firestore, Neo4j

Cloud: Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP)

Others: Docker, Presto, Git/GitHub, Version Control, Linux, REST APIs

Projects

Z Planner | *React, TypeScript, Next.js, TailwindCSS, Mongo, Express, Node.js*

May 2024 - Jul 2024

- Engineering a **full-stack** Kanban-style planner with various hierarchical components for intuitive task management.
- Developed a data management system using **useContext**, **useReducer**, and **Next.js Server Components** for drag-and-drop reordering, ensuring real-time synchronization and consistent state maintenance with user modifications.

Flaky Test Remediation in Open-Source Repositories | *Python, pytest, Java*

Aug - Dec 2022

- Identified and fixed **flaky tests**— tests that fail on subsequent runs with no changes to the code or the test itself.
- Contributed to fixing **flakiness** in 26 tests across **open source** repositories, ensuring dependable software quality.
- Crafted compelling **pull requests** with clear and concise context, resulting in multiple PRs getting merged.
- Developed a custom **Python** script to streamline test identification and prioritization, saving **30-40 hours** of effort.