

# 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 – Present

Software Engineer

Palo Alto, California

- Used **Angular** v16 and **TypeScript** as part of the User Empowerment team to redesign Navan Expense's homepage, driving an increase in user engagement and improving **Net Promoter Scores (NPS)** by **6 points**.
- Architected and launched core user-facing features including an email receipt-forwarding service, a reusable transaction-list component, and a tasks dashboard—significantly enhancing user productivity.
- Owned comprehensive test suites (**Jest** unit & **Cypress** E2E) for new features, covering A/B test variants and legacy code paths, achieving **90%+ code coverage** and reducing feature regressions.
- Partnered with designers to resolve UI inconsistencies and implement accessibility enhancements (**ARIA** roles, keyboard navigation), ensuring compliance with **WCAG** guidelines and improving overall user accessibility.

### 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*

Jun 2024 - Present

- 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.
- Architected a **RESTful** backend API using **Express** and **Node.js**, enabling robust CRUD functionalities (GET, POST, PATCH, DELETE) for effective data management and integrity.

**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.