

# Sabitha Rachel Nazareth

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## WORK EXPERIENCE

### Software Engineer - Bragr, New Jersey, USA

Aug 2024 - Jan 2025

- Engineered full-stack application, leveraging **Django** and **React**; accelerated client demos, driving early customer interest
- Designed **Retrieval Augmented Generation** (RAG) for a sports-focused GenAI startup, deploying fine-tuned LLM on Azure Open AI
- Transitioned to **Azure Cosmos DB**, enabling auto-scalability to handle increasing data and traffic demands
- Refactored a monolithic codebase into **microservices**, increasing throughput by **50%** under concurrent loads
- Automated **CI/CD** pipelines with **GitHub Actions** and **Azure DevOps**, accelerating deployment time

### Full Stack Developer - Al Waris, Dubai, United Arab Emirates

Nov 2020 - Aug 2022

- Redesigned a **Node.js** application for a shipment system, enhancing data management accuracy for over 2,000 shipments
- Devised features such as pending payments tracking, work assignment, and completion updates, decreasing manual errors and saving approximately 40 hours per month in time spent on operational tasks
- Executed unit tests using Jest and secured the application with **Auth0** for authentication and authorization
- Accelerated development cycles with **Dockerfile** and **Docker Compose**, refining workflow efficiency

### Software Engineer - Wipro Limited, Karnataka, India

Jun 2019 - Nov 2020

- Developed reusable **React** components for the employee onboarding application & improved performance through code splitting and lazy loading, enhancing user experience
- Reduced response times by 26% by integrating **Redis** caching, creating indexes & pagination with **MongoDB & Node.js**
- Worked with cross-functional teams in the **Agile** lifecycle to maintain smooth teamwork and timely project delivery

## TECHNICAL SKILLS

**Languages** : Python, JavaScript, TypeScript, GraphQL, SQL, R, PHP, Java, C  
**Frontend** : React.js, Redux, Next.js, Bootstrap, HTML/CSS, Figma, MaterialUI, ShadCN  
**Backend** : Node.js, Express.js, Django, Postman, Apollo, JSON, NoSQL  
**Database** : MongoDB, Firestore, CosmosDB, MySQL, PostgreSQL, Redis  
**DevOps/ Other** : Docker, Amazon Web Services(AWS), Azure, Git, GitHub, CI/CD

## FREELANCE/ VOLUNTEER EXPERIENCE

### Software Engineer (Volunteer) - One Community Global, California, USA

Jan 2025 - Present

- Implemented a third-party Bitly integration to automate URL shortening and QR code generation for content posting and developed APIs for the highest good housing project using **Node.js** and **MongoDB**
- Diagnosed a performance bottleneck by profiling collections; refactored the schema to externalize image data, reclaimed over **32%** of the storage, and resolved an outage to restore full-service availability

## PROJECTS

### BookMyNanny | GitHub

Oct 2023 - Dec 2023

- Built a nanny job search application with **React**, **GraphQL**, & **Redis Cloud**, addressing the challenge of finding qualified nannies
- Established a real-time communication system through Firebase/Firestore and application containerization with **Docker**
- Led the team as a Scrum Master, achieving 100% of sprint goals by completing 12 user stories across 4 iterative sprints

### OpenGlass: Project Showcase Application | GitHub

Oct 2022 - Dec 2022

- Engineered a developer-centric platform to display projects, post ideas, and connect with developers for collaborations
- Devised RESTful APIs with **Node.js**, **MongoDB**, and **Express**, implementing secure JWT authentication for protected data
- Utilized AWS S3 bucket functionality, delivering users a secure method to upload and manage essential assets

## EDUCATION

### Stevens Institute of Technology, Hoboken, New Jersey, USA

Sep 2022 - May 2024

### Master of Science in Computer Science

GPA: 3.77/4.0

### Visvesvaraya Technological University, Mangalore, India

Aug 2015 - Jun 2019

### Bachelor of Engineering in Computer Science and Engineering

GPA: 8.09/10