

# Shubham Sharma

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## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Python, C#, JavaScript, TypeScript, Angular, React, Node.js, .NET Core, Spring Boot

**Databases & Tools:** SQL Server, MongoDB, PostgreSQL, Git, Docker, Kubernetes, NPM

**Cloud & DevOps:** Microsoft Azure (Event Hub, AD B2B/B2C, Web Services, KustoDB, CosmosDB), Azure Functions, CI/CD Pipelines, n8n Workflows

**Frontend & UI/UX:** HTML5, CSS3, RESTful APIs, Chrome Extensions (Manifest v2/v3), Figma Collaboration

**Collaboration & Testing:** Postman, Jira, Confluence, React Testing Library, Jest, Unit Testing, Microsoft Teams Integrations

## EXPERIENCE

### Software Engineer

Palm Beach Accountable Care Organization | Azure, SQL, Angular, C#, .NET

Jan 2023 – Present

West Palm Beach, FL

- **Cloud & Data Engineering:** Engineered a real-time monitoring dashboard using Azure Event Hub, .NET Core, and Angular, driving a **35% increase in user engagement** as tracked by Microsoft Clarity for patient alerts and ACO actions.
- Introduced Redis caching to reduce latency, achieving up to 90% improvement in system performance, and optimized API responses generated via stored procedures for faster, more reliable application performance.
- **Frontend & Platform Modernization:** Upgraded Angular v5→v17 and modernized .NET Core APIs, collaborating with UI/UX designers and conducting user interviews to identify pain points and implement new interactive features, improving build performance and system scalability by **25%**.
- Revamped the Sidekick Chrome Extension by migrating from Manifest v2 to v3 and redesigning the UI/UX in Figma, adding new features and resulting in **150% adoption growth** and a **45% increase** in claim submission efficiency.
- **Automation & Process Optimization:** Redesigned authentication workflows by migrating from Azure AD B2B to B2C and upgrading from adal to msal, cutting IT support tickets by **40%**.
- Automated anomaly detection of ADT messages across vendors by designing n8n workflows for key metrics tracked in reports, integrated with Microsoft Teams to reduce operational overhead by **60%** and eliminate manual SSRS report checks.

### Software Engineer Intern

Informatica | JavaScript, React, UI/UX, Unit Testing

June 2022 – Sept 2022

Redwood City, CA

- Migrated frontend testing framework from Enzyme to React Testing Library, improving code coverage by **30%** and enhancing test reliability and maintainability.
- Designed and developed modular, reusable React components, streamlining feature development and improving product usability.
- Built an automation tool to integrate third-party providers into the web app, enabling seamless data migration across sources.
- Authored comprehensive documentation for new components, ensuring smooth knowledge transfer and facilitating cross-team collaboration.

### Full Stack Intern

Span Design Organization | React, Node.js, MongoDB

Aug 2020 – May 2021

Surat, India

- Developed full-stack applications for multiple clients using React, Node.js, MongoDB, and SQL, delivering tailored solutions to meet specific business requirements.
- Collaborated with UX designers to create modern, intuitive interfaces, enhancing user experience and engagement.

## PROJECTS

### WikiSearch — Wikipedia Search Engine | Apache Lucene, Web Crawling, Search Algorithms, Java

Oct 2021 – Dec 2021

- Built a custom search engine for Wikipedia by crawling and indexing articles using **Apache Lucene**.
- Designed an **inverted index and ranking pipeline** to deliver fast and relevant search results for user queries.
- Implemented query parsing, keyword matching, and relevance scoring to improve result accuracy and performance.
- Developed a responsive frontend interface to display ranked search results with snippets and metadata.

### FastCare: Health Management Platform | Node.js, React, Firebase, Azure, AI Automation

Aug 2024 – Present

- Developed a secure platform for small clinics in India, enabling doctors to manage referrals and access patient records within the network.
- Built patient-facing features to view past records, book future appointments, and interact with network clinics.
- Integrated AI-driven workflow automation using Blend AI to streamline follow-up calls, checkups, and visit reminders.
- Future roadmap includes connecting Ayushman Bharat-supported clinics and automating claims processing for doctors and patients.
- Applied for **Y Combinator Fall 2024** to scale the platform as a startup.

## EDUCATION

### University of California-Riverside, CA

Master of Science - Computer Science

Sept 2021 – Dec 2022

GPA: 3.78/4.00

### Gujarat Technological University, India

Bachelor of Engineering - Computer Science

June 2016 – Aug 2020

GPA: 8.89/10