

# KUSH PATEL

North Brunswick, NJ · kush2065741@gmail.com · (732) 351-3251 · linkedin.com/in/kush-patel1203/ · github.com/kushp1203 · kushnpatel.com

## EDUCATION

### Rutgers University, New Brunswick

Computer Science, BS | Sept '20 - May '24

*Relevant Coursework: Data Structures, Computer Architecture, Internet Technology, Systems Programming, Databases and Information, Analysis of Algorithms, Distributed Systems*

## WORK EXPERIENCE

### Kinective

Rahway, NJ

*Software Engineer I (Mobile Teller Sign)*

Sept 2023 - Current

- Developed a mobile eSign product via SMS, utilizing Twilio and Azure Functions, which resulted in a 115% increase in document turnaround time for banks and loan cores.
- Created an in-house URL shortener with a 10-character hash, enhancing backend speed by 34% and improving response times for 10,000+ monthly transactions.
- Re-architected the CosmosDB schema to increase elasticity, cutting costs by 28% and boosting reporting and dashboards with fewer queries.

### Microsoft

Redmond, WA

*Software Engineer Intern (Azure Core Compute)*

May 2023 - Aug 2023

- Built a micro-service which reduces Azure resource deployment latency by 94% at P99 by leveraging ML, boosting reliability under peak loads.
- Created 30 real-time dashboards with Azure Monitor to enhance decision-making and service health monitoring.
- Optimized the codebase by implementing unit tests for all major functions, maximizing code coverage and enhancing app reliability.
- Improved team delivery by 2 weeks as Agile Scrum Master, boosting sprint completion rates during the 12-week internship.

### Microsoft

Redmond, WA

*Software Engineer & PM Intern (Azure Commerce & Ecosystems)*

May 2022 - Aug 2022

- Managed the project a team of 3 interns to develop a scalable notification API reducing latency by 600%.
- Architected an API that minimized upstream calls and leveraged existing code, slashing resource usage by 52% and enhancing overall system responsiveness.
- Refactored API codebase by modularizing logic, improving readability, and reducing the dev cycle deployment times, accelerating feature rollouts and market adaptation.

### Xupoli IT

North Brunswick, NJ

*Software Engineer Intern*

May 2021 - Sep 2021

- Developed robust full-stack applications serving a daily user base of 2,500+, enhancing user interaction and reliability through comprehensive end-to-end programming.
- Integrated 5+ patented innovations into application designs, significantly enhancing user experience and contributing to a 21% increase in user retention rates.
- Engineered modern and intuitive front-ends for three applications using Flutter, and streamlining navigation efficiency.

## SKILLS

Programming Languages: Java | Python | C | C# (.NET) | JS/TS | XML | HTML | JSON | Flutter  
Dev Tools: Azure | Git | Visual Studio | VSCode | Android Studio | XCode | IntelliJ  
Software: Windows | macOS | Linux | Adobe CC | Microsoft Office | Tableau  
Soft Skills: PM | Training/Mentoring | Team building | Leadership | Curious | Passionate

## PROJECTS (REFER TO GITHUB FOR MORE PROJECTS)

### Savitr Health(Patent Pending + WIP) NODE.JS, MONGODB, CHAKRA, AZURE

Led the development of 'Savitr', a groundbreaking blockchain-based healthcare service designed to decentralize medical transactions, ensuring HIPAA compliance and reducing healthcare costs. This allows users to get fair pricing on their medical treatments, drugs, and healthcare.

### Savitr Logistics(Patent Pending + WIP) TYPESCRIPT, MYSQL, AZURE DEVOPS, AZURE

Created an all-in-one logistics application that allows a user to track their packages. It allows admins to control inventory and manage warehouses, stores, and last-mile deliveries.