

AAKASH SORATHIYA

Software Engineer

Calgary – T2K 5L2, Canada | +1 368-399-0872 | aakash.sorathiya@ucalgary.ca
<https://aakashsorathiya.medium.com/> | <https://github.com/AakashSorathiya>
www.linkedin.com/in/aakash-sorathiya/

Relevant Experience

Infosys

Specialist Programmer

02/2023 – 12/2023 | Pune, India

- Worked on Adobe Experience Platform and configured Phoenix Database as a source connector. It brought three major clients to Adobe and benefited Infosys on the business side.
- Led a team of 5 developers to work on migrating a legacy application to microservice architecture for AeroMexico. This increased the scalability by 45% and reduced the downtime by 60%.

Digital Specialist Engineer

09/2020 – 01/2023 | Bangalore, India

- Enhanced quality of code and improved application performance, leading to a 27% reduction in bugs and vulnerabilities and an 85% reduction in code smells.
- Achieved a 45% reduction in the application's memory consumption by identifying a memory leak in in-memory maps and eliminating it by proper dereferencing.
- Made application scalable by 50% by eliminating graphql-schema building on every user request. Reduced application's startup time by 10% by removing unnecessary map initializations from ApplicationRunner's run method.
- Automated the deployment process of services using Docker and Kubernetes, which eliminated the overhead of manual deployments and allowed focus on development and testing.
- Led a team of 4 junior engineers for a major feature development in the application. Followed Agile development lifecycle and implemented Privacy by Design proactively from the start.
- Jointly with other 6 team members, filed a patent application, "Method and System for converting GraphQL Query into Gremlin" in India and the US.

Cygbit IT Solutions

Application Developer

04/2019 – 09/2019 | Vadodara, India

- Worked as a part-time developer along with managing studies. This experience taught me time management and how to maintain a balance between two things.
- Managed large and complex projects and multiple components with smooth implementation and testing of applications. Built pixel-perfect, buttery-smooth UIs across Android and iOS mobile platforms.
- Initially faced 7-8% variance between planned and actual effort for any task because of less focus on details. So focused on a detailed analysis of requirements and achieved a 5-6% reduction in variance.

Intern

04/2018 – 09/2018 | Vadodara, India

- Received professional training for cross-platform mobile application development using React Native.
- Developed good interpersonal abilities, communication skills, time management, and team skills to work to attain project deadlines.
- Refactored inline CSS code to transfer it to class-level CSS components to increase the re-usability of CSS classes and increase the maintainability of code.

Certificates

Java SE11 Developer – Infosys Certified | **Spring Microservice Professional** – Infosys Certified

Azure Fundamentals – Microsoft Certified | **Kubernetes Administrator Associate** – Infosys Certified

Network Security Associate – Infosys Certified

Education

BEng, Maharaja Sayajirao University

2016 – 2020 | Vadodara, India

CGPA: 8.61/10

Major: **Computer Science**

Relevant Coursework: Object-oriented programming, Data Structures and Algorithms, Database Management Systems, Computer Networks, Operating Systems, Introduction to Java.

Extra-Curricular:

- Organizing Team Member [2017-2018] and Core Committee Member [2019] of a national level technical event – FootPrints. Worked as web developer and managed the team of 5 junior organizers to design and execute technical events like hackathons and coding competitions.
- Member of Training and Placement Cell [2020]. Managed to get placements for more than 90% of the students of CSE department.

Skills

Programming Languages: Java, Python, Typescript, HTML, CSS

Framework: Spring Boot, Spring, Junit & Mockito, Angular

Database and Query Languages: Neo4j, PostgreSQL, Cypher, SQL

Tools/Technologies: GraphQL, Git, Docker, Kubernetes

Character Traits: Strong application orientation, Confident, Work well in teams, Leadership competent, Teachable, Honest

Projects

Health Care Application, Hackathon Project - Team of 6

Technologies Used: Java, Angular, NodeJS, React Native, PostgreSQL

- Developed a backend microservice using Java and Spring Boot.
- Main features of the application were simple registration for providers and users, appointment scheduling and reminders, health monitoring, e-prescriptions and symptom checker.
- A key consideration for the application was protecting patient privacy. Patients had full control of the data, including choosing which information they wanted to share with providers and keep private.
- Among the major learnings from the project was learning microservice architecture. We designed our application around user types but it would have been more effective to build microservices around functionalities.

College Event Website, Side Project - Team of 5

Technologies Used: JavaScript, HTML, CSS, PHP, MySQL

- Developed and maintained UI of the website (msufp.in/2019/main).
- Scaled registration portal of the event by 25% which drives 75% traffic of the website. Managed the data of around 3,500 students from all over the Gujarat.

Inventory Management App, Internship Project

Technologies Used: React Native, JavaScript, CSS

- Main objective of the application was to maintain inventory of jewelry and also keep track of gold loans. QRCode generation functionality helped to uniquely identify each product and get precise detail of the product any time by just easily scanning the code.
- Loan tracking system supported signature functionality, management team can take signature of customer on mobile itself and upload it to system, to avoid fraud cases.

Awards

STG RISE Award – NINJA, Certificate of Appreciation, Infosys

12/2022

Best Mentor, Power Internship Program, Infosys

06/2022

Insta RISE Award, Certificate of Appreciation, Infosys

09/2021