

TECHNICAL SKILLS

Programming: Java, C++, JavaScript, TypeScript, HTML, PHP, CSS (including Tailwind CSS), Lisp, Python (beginner), Bash
Framework: AngularJS, ReactJS, NextJS, NodeJS, ExpressJS, Flask, Spring Boot, Angular Material, Bootstrap, Shadcn, Apache Spark, Apache Kafka
Database: Microsoft SQL Server, SQLite, MySQL, PostgreSQL, MongoDB – NoSql, Appwrite (BaaS)
Cloud: Microsoft Azure, AWS S3, Google Cloud Platform (Firebase authentication, Firestore, Cloud Run, Functions, Secrets Manager, Storage)
Containerization: Docker, Containers
Competencies: HTTP and REST API, Angular CLI, RxJS, Npm, State management, DOM and event handling, Debugging, Software testing, DevOps
Other Tools: Git, Gitlab, Mercurial SCM, Jira, Sonarqube, Confluence, Visual Studio Code

EXPERIENCE

Senior Systems Engineer, Infosys Limited, Bangalore, India

May 2020 – August 2022

- Awarded a certificate of appreciation for outstanding performance and exceptional teamwork skills, ranking #1 in a team of 10 developers on Project, showcasing strong communication, problem-solving, leadership, and collaboration skills
- Expertly designed and developed web applications using **MEAN** and **MERN** Stack, delivering full-stack solutions for Infosys clients
- Implemented **Redux** for centralized state management, reducing application complexity and improving data flow consistency across components, while utilizing **RxJS** for reactive programming to achieve a 30% reduction in asynchronous code complexity and enhance real-time data handling capabilities
- Optimized application performance by refining **MongoDB** schemas and integrating **Elasticsearch** for robust search functionality, resulting in a 40% decrease in average search query response time and implemented **RESTful APIs** alongside **GraphQL** to handle over 1000 requests per minute during peak traffic, improving overall data retrieval efficiency by 30%
- Practiced **SDLC** and **DevOps** methodologies, implementing **CI/CD** pipelines with automated builds and deployments using **Jenkins**, achieving a 50% reduction in deployment times and enabling 10 deployments per week for continuous integration and delivery
- Leveraged **Google Cloud Platform** for seamless integration with Firebase authentication and real-time database updates via Firestore, enabled efficient containerized deployments with Cloud Run, implemented serverless Functions for execution, securely managed API keys with Secrets Manager, and optimized file storage with Storage, handling over 1 TB of data

Web Developer Intern, Infosys Limited, Mysore, India

September 2019 - April 2020

- Utilized frontend frameworks such as **KendoUI** and **jQuery** for enhanced user interfaces and Ajax for asynchronous server communication to handle 500 requests per minute during peak traffic
- Utilized **Redis** for caching, significantly improving application performance with a cache hit rate of 90%, leading to a reduction in database query load and faster response times.
- Deployed AWS services including **DynamoDB** for NoSQL data storage, managing over 1 million records with an average response time of 5 milliseconds
- Designed and implemented an event-driven architecture utilizing **Kafka** for real-time messaging, handling 100,000 messages per day, and **Lambda** functions for serverless processing, reducing processing time by 50%
- Developed and maintained **PostgreSQL** databases, optimizing query execution time by 40% and ensuring data integrity with 99.99% uptime

ACADEMIC PROJECTS

Concordia University

Montreal, QC

Rentify - Find Your Perfect Place | [Project link](#)

2024 - present

- Developed Rentify, a dynamic property rental platform, leveraging **Next.js**, React, and **Tailwind CSS** with features including Google authentication, property **CRUD** operations, Mapbox integration, and responsive design
- Utilized MongoDB, Cloudinary, and various React libraries for a robust, full-stack application
- Implemented file-based routing, React Server Components, data fetching, API routes, internal messaging, bookmarks, search, image lightboxes, and pagination

PhotoPhoria: Social Media Platform | [Project link](#)

2024

- Developed PhotoPhoria, a social media platform with a focus on enhancing user interaction through post creation and exploration, utilizing including **React.js**, **Appwrite** and **React Query** for a seamless, intuitive user experience
- Utilized Tailwind CSS for its utility-first design approach and **Shadcn** for flexible UI components, reducing development overhead by 25% compared to traditional CSS frameworks, resulting in an exceptionally responsive and visually stunning application

Career Services Application Platform | [Project link](#)

2023

- Implemented Career Services Platform using **Flask** and **AWS RDS**, with deployment on **AWS EC2** and containerization via **Docker**
- Implemented **RESTful API**, job search functionality, application tracking, and resume management features, ensuring a clear user experience and optimized the job search algorithm enhancing the search efficiency by 16%, and processing over 10,000 job listings
- Leveraged GitHub for version control, **Pytest** for testing, and facilitated **CI/CD** pipelines, executing over 500 automated test cases and reducing deployment time by 30%

Concordia Travel Web Application | [Project link](#)

2023

- Developed user-centric travel booking platform with **Spring Boot** and **MySQL**, deployed on Heroku, providing custom itinerary planning and package booking
- Deployed front-end using Angular 16 on Netlify, ensuring an intuitive user experience with **HTML** and **CSS** for responsive design

EDUCATION

Master's in engineering- Software Engineering, Concordia University, Montreal, QC

September 2022 - April 2024

Bachelor of Technology- Computer Science and Engineering, SRM Institute of Science and Technology, India

July 2016 - May 2020