

Sumit Gupta

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EDUCATION

- **University at Buffalo** Buffalo, NY
Master of Science in Computer Science; GPA: - Aug 2024 – Present
- **National Institute of Technology** Jaipur, India
Bachelor of Engineering in Electronics and Communication; GPA: (7.66/10.0) Aug 2017 – July 2021

EXPERIENCE

- **miniOrange** Pune, India
Senior Software Engineer July 2021 – July 2024
 - Led a cross-functional team of 12 software engineers using Agile methodologies to develop and maintain over 10 cloud-based Shopify applications, contributing to full-stack development, code reviews, and bug fixes.
 - Implemented and integrated Identity and Access Management (IAM) protocols including SAML, OAuth 2.0, and JWT to enhance secure authentication and authorization workflows in enterprise-grade solutions.
 - Diagnosed and resolved critical production issues such as database connection timeouts, Memcache crashes, thread concurrency problems, and memory leaks during GraphQL client integration, improving system reliability.
 - Independently developed, tested, and deployed "Inventory Sync" and "Salesforce Sync" applications on the Shopify App Store using Spring Boot, increasing user adoption.
 - Optimized CI/CD pipelines by implementing codebase profiling and automating Docker-based deployments within an AWS load-balanced architecture, enhancing scalability and deployment efficiency by 40%.
 - Proficient in Java, Spring Boot, Redis Cache, GraphQL, Shopify Liquid, PHP, AWS services, Docker, Kubernetes, and familiar with DevOps practices and Agile/Scrum methodologies.
- **ServiceNow** Hyderabad, India
Software Development Intern July 2020 – Nov 2020
 - Integrated machine learning solutions into the ServiceNow platform by utilizing both client-side (JavaScript) and server-side (Java) ServiceNow APIs to enhance the Universal Request functionality, improving efficiency.
 - Developed and customized dynamic user interfaces for the ServiceNow mobile app, leveraging client-side scripting, HTML5, CSS3, and ServiceNow's UI frameworks.
 - Implemented automated testing suites using Selenium and JUnit to validate the functionality of integrated ML solutions and mobile app enhancements, increasing testing coverage and ensuring robust workflows.
 - Collaborated with cross-functional teams using Agile/Scrum methodologies to deliver high-quality software solutions within tight deadlines.
 - Tech Stack: Java, JavaScript, HTML5, CSS3, ServiceNow APIs, Selenium, JUnit, Machine Learning algorithms.

PROJECTS

- **Radiant Clothing:** Developed a full-stack e-commerce application using **React.js**, **Redux**, **React Hooks**, **GraphQL**, and **Firebase** for backend services. Implemented robust user authentication and authorization using **Firebase Auth**, and integrated product management features and secure online payments with **Stripe API**. Utilized modern React practices such as **Context API**, **React Router**, and **Redux-Saga** to build a scalable and maintainable codebase. Deployed the application on **VPS**, ensuring high availability and performance, and conducted unit and integration testing using **Jest** and **Enzyme** to ensure code reliability.
- **JavaFX Media Player:** Developed a cross-platform media player application using **JavaFX** and **Java 8**, featuring essential controls such as play, pause, stop, volume adjustment, and media seeking. Implemented drag-and-drop functionality for easy media file loading and a playlist feature for managing multiple media files. Ensured a user-friendly interface by applying the **MVC architectural pattern** and enhanced user experience with smooth playback and minimal resource utilization. Conducted performance profiling and memory optimization to improve application efficiency.
- **Shopify App Scraper:** Engineered a web scraping tool using **Python**, **BeautifulSoup**, and **Pandas** to extract and analyze data from multiple categories of the Shopify App Store. Implemented pagination handling, request throttling, and error handling mechanisms to efficiently scrape large datasets without triggering anti-scraping measures. Collected comprehensive app information including names, URLs, ratings, reviews, and pricing details, and stored the data in structured **CSV** files for further analysis.

- **Real-time Chat Application:** Developed a real-time chat application using **Node.js**, **Express.js**, and **Socket.io**, enabling instant messaging capabilities. Implemented features such as room-based messaging, real-time geolocation sharing, and user notifications. Utilized **Mustache.js** for server-side templating and ensured responsive design with **HTML5** and **CSS3**. Deployed the application on **Heroku**, leveraging its scalability features to handle multiple concurrent users. Conducted end-to-end testing with **Mocha** and **Chai** to ensure application reliability and performance.
- **Task Manager REST API:** Created a RESTful API for a task management application using **Node.js**, **Express.js**, and **MongoDB**. Implemented secure user authentication and authorization using **JSON Web Tokens (JWT)** and password hashing with **bcrypt**. Developed CRUD operations for task creation, updating, deletion, and retrieval. Utilized **Mongoose** for object data modeling and deployed the API on **Heroku** with a managed **MongoDB Atlas** database. Integrated the **SendGrid API** for automated email notifications, enhancing user engagement.
- **Monster Rolodex:** Developed a responsive web application using **React.js** that fetches and displays user data from an external API, creating a searchable and filterable list of monster-themed user cards. Utilized modern React practices including functional components, **React Hooks** for state and effect management, and implemented efficient state management for a smooth user experience. Ensured cross-browser compatibility and mobile responsiveness using **CSS3** and media queries. Deployed the application on **VPS**, providing continuous integration and deployment capabilities.

SKILLS

- **Languages:** Java, Node.js, Python, JavaScript, TypeScript, C++, PHP, HTML5, CSS3, SQL, MongoDB, PSQL, Apex, MATLAB, Shell Scripting (Bash) **Technologies:** Spring Boot, AWS, React, Kafka, Firebase, Azure, Nginx, Apache, Salesforce, Shopify, Wordpress, Microservices Architecture, Docker, Kubernetes, Jenkins, CI/CD Pipelines, Git/GitHub, RESTful APIs, Redis, Apache Kafka, Keras/TensorFlow/PyTorch, Hadoop
- **Databases:** MySQL, PostgreSQL, SQLite, MongoDB, Memcached
- **Tools:** Visual Studio, IntelliJ, Codeblocks, Postman, PG Admin, Putty, MS Excel, MS Word, MS PowerPoint, Selenium, Apache Maven