

Shubhi Srivastava

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WORK EXPERIENCE

JerseySTEM | Software Developer Intern | Remote, United States

Feb 2024 - Present

- Developed a data-fetching Chrome extension using JavaScript, OAuth 2.0, Google Sheets API, and Google Cloud Platform services for a 200+ employee organization, streamlining workflows.
- Enhanced user experience by developing a centralised bookmark management extension

Tata Consultancy Services | Software Engineer | Mumbai, India

Aug 2020 - Jun 2022

- Managed the end-to-end design and development of password management features for a 500k employee internal portal using Java web technologies. Optimized user experience and improved security leading to a significant 40% decrease in support tickets.
- Achieved 95% test automation and code coverage through Test Driven Development and standardized quality assurance procedures by writing unit tests and integration test plans using JUnit and Mockito.
- Established error, latency, and failure metrics for the password module, improving operational responsiveness during on-call shifts. Added failure alarms for quick issue detection and resolution.
- Designed a responsive UI for password management using modern CSS techniques and jQuery for enhanced interactivity and cross-device compatibility.
- Integrated Spring-based passwordless authentication via RESTful APIs in core apps, alongside with email alerts for locked accounts, resulting in a 30% task time improvement and 27% fewer password reset requests.
- Migrated 50+ applications (all environments-DEV/PROD, present on-premise or cloud) from old web servers to SSO access gateways (Siteminder) by configuring gateway settings.
- Mentored and led a 6-member Scrum team of junior developers, implementing agile methodologies and providing daily task training and troubleshooting. Achieved a 40% increase in sprint completion rate.

EDUCATION

University at Buffalo, The State University of New York

Master of Science, Computer Science

Buffalo, New York

Aug 2022 - Jan 2024

SRM Institute of Science and Technology

Bachelor of Technology, Information Technology

Chennai, India

Jul 2016 - May 2020

PROJECTS

Consentize Event Platform | Angular, C#, MYSQL, Docker, AWS, Git

Jan 2023 - May 2023

- Built and delivered an exclusive event management portal for Consentize Inc., employing Angular for the frontend and C# for backend APIs. Leveraged Docker containerization and deployment on AWS EC2 for scaling and management.
- Utilized AWS S3 for media storage to support data capture and performance, and ensured smooth database operations with RDS MySQL.

FDA Approved Restaurants Recommender Application | PostgreSQL, Angular, NodeJS,

Sep 2022 - Dec 2022

- Managed PostgreSQL database for an FDA-approved restaurant recommendation system with Angular and Node.js UI. Designed schema with relationships, keys, constraints, and implemented triggers for efficient data management.
- Optimized slow SQL queries, reducing execution time from seconds to milliseconds using indexes, resulting in a 20% faster data retrieval.

MapReduce for Inverted Index Processing | Golang, Distributed Systems

Sep 2022 - Dec 2022

- Implemented Go-based MapReduce solution for inverted index processing with custom Map and Reduce functions, Goroutines, channels, and RPCs for fault-tolerant inter-worker communication, optimizing processing time.

TECHNICAL SKILLS

Language and Frameworks: Java, Python, C, C++, Golang, SQL, Shell Script, Java Spring Framework, JUnit, Mockito,
Web Development: React, AngularJS, HTML, CSS, JavaScript, jQuery, JSP, C#, XML, Java Servlets, JSON, .NET Core
Database/ Operating Systems : PostgreSQL, MYSQL, Relational Databases (RDBMS), Linux, MacOS, Windows
Cloud: AWS - EC2, S3, Relational Database Service, Elastic Container Registry, Google Cloud Platform
Developer Tools - Docker, Jenkins, CI/CD, GitHub, Postman, Jira