

Sagar Sharma

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SUMMARY OF QUALIFICATIONS

- Acquired three years of experience in the IT industry as a Full Stack Software Engineer and Quality Analyst cultivated within a dynamic multi-leveled establishment by designing, developing, and testing software solutions as well as delivering exceptional technical support to clients, prioritizing their satisfaction, and ensuring optimal user experiences
- Developed a strong foundation in constructing RESTful services and gained in-depth knowledge of HTTP protocols and RESTful APIs through a diverse range of professional, personal, and academic projects
- Solid understanding of OOP principals, data structures and agile methodology
- Effective communication skills achieved through collaboration with cross-functional teams and client interactions, leadership and problem-solving skills developed through campus projects and industrial experiences

TECHNICAL SKILLS

- **Programming Languages** : Python , Java, JavaScript, TypeScript
- **Web Technologies / Libraries** : HTML/HTML5, CSS/CSS3, SCSS, React , Redux, Next.js, Node.js, Figma, Express, REST, Django, JSON, Jest, Tailwind CSS , Bootstrap, Spring Boot, StepZen, GraphQL
- **Databases** : MySQL, SQLite , MongoDB, NoSQL
- **Dev Tools** : GIT, Jira , Heroku , Docker, AWS(EC2, S3, Lambda), Google Firebase
- **Platform** : Linux, Windows, Oracle Virtual Box, Visual Studio Code, PyCharm, Eclipse, SOAPUI

EDUCATION

Masters in Applied Computing

Jan 2022 – Apr 2023

University of Windsor, Windsor, ON, Canada

Bachelors in Science Computer Science and Information Technology

Sep 2014 – Oct 2018

Tribhuvan University, Kathmandu, Nepal

WORK EXPERIENCE

Full Stack Developer Intern

Jan 2023 – Apr 2023

Semper8 Capital Ltd., Toronto, Ontario, Canada

- Designed UI with Figma to create a wireframe and mockup, and developed using React and SCSS in an agile environment, resulting in an intuitive, responsive, and user-friendly interface, and timely delivery of application
- Collaborated with team on UI design and integration of RESTful APIs with UI, resulting in a seamless integration of React front-end with Node and MongoDB back-end
- Integrated Firebase for Google authentication and phone verification features on web application, resulting 90% reduction in unauthorized access attempts
- Researched Zoom API documentation and developed RESTful services for creating and deleting meeting on NodeJS, resulting in a 25% reduction in time taken to schedule and set up meeting

Software Developer

Oct 2018 – June 2019

Sarrops Pvt. Ltd., Kathmandu, Nepal

- Managed a team of 4 developers to deliver an E-commerce Java based mobile application, ensuring project was completed on-time and within budget
- Combined Stripe, a third-party payment gateway, with the E-commerce application, resulting in a 20% increase in transactions
- Implemented Firebase authentication system into application with Google and email authentication features, reducing risk of fraudulent activities by 25%
- Developed a WordPress CMS-powered news portal web application and wrote RESTful APIs on Spring Boot to fetch data from MySQL database into mobile application, resulting in seamless and smooth user experience

Quality Analyst

Aug 2019 – Nov 2021

Paymentology Ltd., London, United Kingdom

- Collaborated with cross-functional teams in an agile environment to enhance system's user experience by developing a dashboard leveraging react-chart.js libraries to track active users on a global map, led to a 20% increase in user engagement
- Ensured system reliability and stability by developing and executing comprehensive unit tests suits for various React components of the Paymentology system leveraging unit testing framework Jest
- Conducted performance testing of the Paymentology System's RESTful APIs with SOAP UI, validated JSON data, and bench-marked response time for improved system performance
- Achieved a 95% client satisfaction rating by providing exceptional technical support to over 50 clients, promptly addressing issues, and efficiently troubleshooting and reporting over 100 system issues to senior software engineers

PROJECTS

Retro Games Project

- Recreated Retro Games using React, including Tic-Tac-Toe and Tetris games, and deployed the application on firebase, <https://github.com/sharmaSagar01/tic-tac-toe.git>

Covid-19 Tracker Project

- Developed and Deployed Covid-19 Tracker application using React with typescript framework and tailwind CSS for styling, and fetching covid-19 data through a third-party API, and visualizing trends on OpenStreetMap, <https://covid-19-tracker-app-30831.web.app/>

Full Stack CRUD Web Projects

- Designed and Developed Full Stack CRUD application, including a To-Do List and Photo Album with React JS and wrote RESTful APIs with Node Js, Express and MongoDB as backend, showcasing MERN Stack proficiency, <https://github.com/sharmaSagar01/comp-8967-assignment-2-todo-app.git>
<https://github.com/sharmaSagar01/comp-8967-assignment-3-Photo-Album-App.git>
- Implemented Redux for state management in To-Do List and Photo Album App, and deployed on Heroku and Firebase hosting, demonstrating Full Stack proficiency

Java Search Engine Project

- Coordinated with group mates to develop a Java based Search Engine by integrating web crawler, HTML parser, Boyer More Algorithm, Merge Sort, data structures like Hash Table and NLP for finding text patterns to list out top 5 websites based on the user input, <https://github.com/sharmaSagar01/java-search-engine.git>

E-commerce Web-Application Project

- Utilized the Django Python framework to design and develop an E-commerce application, which involved creating templates using HTML/CSS, utilizing SQLite for the database, and employing Python for building models and views based on the MVT (Model-View-Template) architecture, <https://github.com/sharmaSagar01/internet-application-project-django.git>

Netflix Clone

- Developed a responsive web application to imitate Netflix using Next Js for better server-side optimization and Tailwind CSS for better compatibility and deployed into Firebase, <https://netflix-build-clone-54662.web.app/>

News Portal Web Application

- Developed a news portal web application with Next.js and StepZen to connect to a third-party data source and unify them into a single GraphQL-based API to be consumed by frontend, <https://github.com/sharmaSagar01/news-app>

CERTIFICATIONS

Meta Back-End Developer Professional Certificate by Coursera

Present

Meta Front-End Developer Professional Certificate by Coursera

April 13, 2023

Learning Redux Toolkit by LinkedIn Learning

October 17, 2022

Learning MongoDB by LinkedIn Learning

May 22, 2022

Software Development Life Cycle(SDLC) by LinkedIn Learning

March 04, 2022

AWS Cloud Technical Essentials by Coursera

September 22, 2021

Python for Everybody Specialization by Coursera

June 15, 2021