

Swapnil Biradar

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EDUCATION

Northeastern University, Boston, MA

Expected May 2024

Master of Science in Information Systems

Relevant Courses: Application Engineering and Development, Web Design and User Experience, Network Structures and Cloud Computing, Data Management and Database Design

MIT College of Engineering, Pune, India

Jun 2019

Bachelor of Engineering in Electronics and Communication

Relevant Courses: Object Oriented Programming, Data Structures and Algorithms, Computer Networks and Security

SKILLS

Programming:	JavaScript, Python, C#, Java, Object-Oriented Design, Shell Scripting
Technologies:	NodeJS, Express, React, .Net Core, ASP.Net, HTML, CSS, JSON, RESTful APIs, Microservices, Swing
Databases:	MongoDB (No-SQL), Microsoft SQL Server, MySQL
Cloud:	AWS (EC2, IAM, S3), Terraform, Packer, CloudWatch, VPC, Relational Database Service, TCP/IP
Software/Tools:	Git, GitHub, Bitbucket, Docker, Jenkins, CI/CD, Bash (Unix), Postman, Eclipse, NetBeans, VS Code, Jira

EXPERIENCE

Tata Consultancy Services, Pune, India

Feb 2022 - Aug 2022

Software Engineer

- Collaborated with a four-person team to develop an ASP.NET-based application for user access management
- Optimized application performance by strategically rebuilding indexes and updating statistics in SQL Server, driving a 60% surge in efficiency
- Facilitated seamless adoption of Agile methodology by participating in daily scrum meetings, ensuring timely completion of change requests by gathering key information from business customers

Infosys Limited, Pune, India

Sept 2019 - Feb 2022

Software Engineer

- Built scalable and robust RESTful APIs to serve data to front-end based on varying user inputs, capable of handling over 10,000 concurrent users
- Streamlined manual processes by designing automated SQL reports to retrieve daily, weekly, and monthly data, reducing manual work by nearly 95%
- Engineered a comprehensive SQL report to consolidate data from four disparate applications, illuminating critical business insights and greatly enhancing operational efficiency
- Executed over 100 change requests, expanding application's feature set and maximizing overall effectiveness for users

PROJECTS

Inventory Management Application on AWS EC2, Terraform, Packer, EBS, AWS, NodeJS

Jan 2023

- Built an efficient Inventory Management Application with secure authentication and streamlined inventory management capabilities, utilizing NodeJS, Express, and MySQL.
- Designed and implemented a scalable and reliable AWS infrastructure using Terraform, encompassing VPC, subnets, route tables, internet gateways, resulting in efficient and reliable resource deployment.
- Leveraged Terraform and Packer to construct and configure EC2 and RDS instances, implementing custom security groups to regulate incoming/outgoing traffic, ensuring highly secure and compliant environment

Stock Portfolio Management Application Node.js, Express.js, React, JSX, MongoDB [[GitHub](#)]

Dec 2022

- Conceptualized, designed, and developed a cutting-edge MERN stack web application with React.js front-end and Node/Express, MongoDB back-end APIs
- Implemented JWT for secure authentication, Material UI for a visually appealing user interface, and integrated external APIs (Trading View and Finnhub.io) for real-time market information
- Empowered users with ability to buy/sell stocks, access IPO listings, and view charts and news updates

Donation Management System Java, Object-Oriented design, Swing [[GitHub](#)]

Dec 2022

- Created a scalable Java application for cross-network donation management using Java Swing
- Resolved challenges in donation process through effective data management and refined donor communications through mail