

BHAGYASHRI CHAVAN

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SUMMARY

Experienced Full Stack Developer with 4+ years in building and scaling web applications using MERN stack, Java, Spring Boot, cloud services (AWS, GCP), and microservices architecture. Skilled in secure API development, DevOps practices, and CI/CD pipelines. Adept at delivering high-performance, real-time solutions, optimizing systems for scalability, security, and operational efficiency.

EDUCATION

Master of Science in Information Systems (GPA: 3.5/4) | Northeastern University, USA **Dec. 2024**

Relevant Courses: Structure and Algorithms, Web Design and User Experience, Application Engineering and Development

Bachelor of Engineering in Information Technology | University of Mumbai, India

Jun. 2019

Relevant Courses: Cloud Computing, Agile Software Engineering, Database Management, Computer Networks, OOPs

SKILLS

Programming : Python, Java, JavaScript, TypeScript, C, C++, C#, Go, Rust, Ruby

Web Technologies : HTML5, CSS3, jQuery, ReactJs, NodeJS, Angular, Redux, React native, Vue.js, Redux, Next.js, Tailwind CSS

Databases & Cloud : MSSQL, NoSQL, MongoDB, Hadoop, Oracle, Spark, AWS, Azure, GCP, DynamoDB, Snowflake, Redis

Framework : Express.js, D3.js, Apache Kafka Streams, Java Spring Boot, MVC

Tools : Figma, Postman, JIRA, GitHub, Docker Compose, Kubernetes Helm, Jenkins, Swagger/OpenAI

Soft Skills : Critical Thinking, Creative, Curious, Problem-Solving, Attention to detail, Verbal and Written Communication

EXPERIENCE

Software Developer Intern | Mastercontrol, Boston

Jan. 2024 – Jun. 2024

- Engineered key features for life sciences applications using React and node.js, enhancing product functionality.
- Pragmatically focused on maintaining smooth pipelines across the application, leveraging GitHub Actions and Gradle for continuous integration and deployment, resulting decrease in frontend vulnerabilities
- Built and automated comprehensive testing suites using Jest, ensuring robust unit and integration testing with 97% code coverage
- Led the development of RESTful APIs and GraphQL endpoints for seamless data retrieval, optimizing backend communication
- Leveraged Infrastructure as a code using Pulumi for VPC, EC2, and RDS setup with security groups, incorporating DevOps practices to design AWS architecture with auto-scaling, load balancing, and Route53 for high availability
- Used CloudWatch for monitoring and SES for email notifications. Created custom AMIs with Packer for software installation on AWS EC2 and Google Compute Engine
- Managed a serverless GitHub repository for Lambda Functions with Amazon SNS, Google Cloud Storage, and DynamoDB. Enhanced CSV parsing speed and security, integrated data models with Sequelize, and managed secure API endpoints for over 100 requests

Developer | Hexaware Technologies, Mumbai

Aug. 2021 – Dec. 2022

- Developed RESTful APIs using Spring Boot to handle client-server communication, enabling seamless data exchange between front-end applications and backend services
- Utilized Spring Data JPA with Hibernate to manage database interactions, optimizing query performance
- Designed and developed scalable microservices using Spring Boot as part of a distributed system, decoupling functionalities for better maintainability and scalability
- Optimized application performance by implementing caching strategies using Spring Cache and Redis, reducing load times for frequently accessed endpoints by up to 40%

System Analyst | NSE.IT, Mumbai

Jun. 2019 – Aug. 2021

- Developed a front-end application using Spring Boot, React.js, and Oracle SQL to efficiently manage Clearing and Settlement processes in the Cash Market and Futures & Options segments
- Integrated Kafka for real-time data streaming and event-driven architectures, enhancing system responsiveness and processing efficiency, Created CI/CD pipelines with Jenkins for automated testing and deployment of the application in production environments
- Implemented performance optimization strategies, including code profiling, caching mechanisms, and database tuning, resulting in significant improvements in application speed, scalability, and resource utilization

PROJECTS

Real-Time Chat Application with Video Calling | (React, Node.js, WebRTC, Firebase)

- Developed a real-time chat application using React.js and WebRTC for video calling, supporting multiple users in virtual chat rooms.
- Engineered real-time communication features using WebSockets, enabling high-quality video calls and data synchronization.
- Designed intuitive UI/UX for seamless user navigation and interaction, incorporating responsive design principles

AI-Powered Prior Authorization Dashboard for Healthcare | (Vue.js, Typescript, Python Flask, AI, Node.js)

- Integrated AI analysis through RESTful APIs, providing real-time insights like approval likelihood and estimated time, with options for physicians to override or accept AI recommendations for final decision-making
- Built a mobile-first dashboard using Vue.js and Tailwind CSS, for managing prior authorization workflows & seamless user experience.
- Implemented advanced charts using Chart.js/D3.js, enabling users to visualize authorization status (pending, approved, rejected) and apply filters for precise data analysis