

Shubham Sharad Bagal

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Technical Skills

Languages: Java, JavaScript, Swift, Kotlin, .NET, Python, C++
Backend Development: Spring Boot, NodeJS, Django, .NET Core
Web Technologies: Angular, React, Redux, Django, Spring Boot, HTML5, CSS, REST API, Ajax
Databases: MongoDB, MySQL, Firebase, PostgreSQL, SQL, Oracle
Cloud & DevOps: AWS (EC2, S3, Lambda, VPC, RDS), Docker, Kubernetes, Jenkins CI/CD, Git, Azure, Terraform, Pulumi
Tools & Frameworks: Amazon Web Services, Unix, Android Studio, Git, Agile Methodologies, SpringBoot, REST API
Front-End Development: SASS, Tailwind CSS, Bootstrap, Jest, Cypress, Mocha, Jasmine

Experience

Software Engineer
Buaut Technologies, Arlington, MA

- Led development of a full-stack solution for a high-traffic global shipping platform, utilizing Angular, Spring Boot, and MongoDB to handle dynamic data flows and optimize performance
- Designed and implemented RESTful APIs to support real-time data synchronization between the front end and backend
- Developed responsive, reusable UI components in React, ensuring seamless cross-browser functionality and consistent user experience across desktop and mobile
- Enhanced CI/CD pipelines using GitHub Actions, reducing deployment time by 25%

January 2024 – June 2024

Software Engineer
Finecure Pharmaceuticals, Ahmedabad, India

- Developed a full-stack distribution management tool using React and Node.js, enhancing visibility into supply chain metrics.
- Integrated secure REST APIs for seamless data exchange, improving system response times
- Built database schemas and queries in PostgreSQL, optimizing complex queries to reduce execution
- Automated testing for both front-end and back-end services with Jest and Mocha, resulting in 85% code coverage

August 2021 – September 2022

Associate Developer
Acme Insights, Pune, India

- Refactored a large-scale e-commerce platform from monolithic to microservices architecture using Node.js, enhancing scalability and reducing server costs by 30%.
- Implemented state management with Redux and utilized React and CSS-in-JS for front-end components, improving page load speed by 40% and providing a seamless user experience.
- Configured Docker containers and Kubernetes for scalable deployments, leading to a 25% reduction in deployment time and increased stability across production environments.
- Maintained API documentation using Swagger, improving cross-team collaboration and reducing integration time by 15%.
- Established unit and integration tests for APIs using Mocha and Chai, achieving 90% test coverage.

May 2019 – July 2021

Education

Northeastern University
Masters of Science in Information Systems (GPA: 3.7) Expected Dec 2024

Boston, MA

Projects

AI Job Guide
◦ Build an AI-powered job guidance platform using OpenAI APIs and RAG Agents for resume analysis and question generation.
◦ Integrated AWS Textract for text extraction in SpringBoot, developed a responsive UI using Angular, ensured compatibility.

Code

Assignment Mgr on Cloud
◦ Built a Canvas assignment management app with Node.js and MySQL, leveraging Sequelize for streamlined database interactions, and implemented RESTful APIs to support smooth data flow and functionality
◦ Utilized Packer to generate AMIs and set up CI/CD pipelines with GitHub Actions, test, and deployment processes.
◦ Developed an AWS Lambda function to trigger email notifications upon assignment submissions, track email statuses, and store this information in Cosmos DB for efficient data management.

Code

Certifications

- **AWS Knowledge: Cloud Essentials**, Amazon Web Services (AWS), Issued Jan 2024
- **AWS Knowledge: Serverless**, Amazon Web Services (AWS), Issued Feb 2024
- **Building RAG Agents with LLMs** NVIDIA, Issued Oct 2024