

Bharat Chundru

Full Stack Engineer

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Summary

Experienced Full Stack Engineer with 3+ years of experience building scalable, secure, and cloud-native applications using Java, Spring Boot, React, TypeScript, AWS, and CI/CD automation. Specializes in microservices, API development, and distributed systems, delivering platforms that improved application performance by 60% across high-traffic workloads. Focused on creating consistent, maintainable, and user-centric solutions that accelerate product delivery and strengthen engineering efficiency.

Technical Skills

- **Programming Languages:** Java, JavaScript, TypeScript, Python, Bash
- **Databases & Data Stores:** SQL, PostgreSQL, MySQL, DynamoDB, MongoDB, Oracle, Redis, JDBC
- **Frameworks & Libraries:** Spring Boot, React.js, Angular.js, Node.js, JPA
- **Web & API Development:** REST APIs, Microservices
- **Cloud Platforms & Services:** AWS, Lambda, EC2, S3, API Gateway, DynamoDB
- **DevOps Tools:** Docker, Terraform, Jenkins, GitHub Actions, Kubernetes
- **Messaging & Authentication:** Kafka, RabbitMQ, OAuth2, JWT, IAM Policies
- **Version Control & Build Tools:** Git, GitHub, Maven, Gradle
- **Testing & Automation:** JUnit, Mockito, Playwright, Postman
- **AI/ML :** Model trainings, Supervised learning concepts
- **Methodologies:** Agile, Scrum, Kanban, TDD, BDD

Professional Experience

Illinois Department of Innovation and Technology

March 2024 – Present

Full Stack Engineer

Project Name: Citizen Service Modernization Platform

Technologies: Java, Spring Boot, React.js, React Query, Redux Toolkit, AWS (Lambda, S3, DynamoDB, API Gateway), Apache Kafka, Jenkins, Terraform, Docker, GitHub Actions, OAuth2, JWT, GitHub Copilot, JetBrains AI, Agile/Scrum

- Engineered high-performance Spring Boot microservices on AWS with Java and DynamoDB, optimizing response times for citizen service APIs under heavy traffic.
- Optimized complex React.js UI workflows using React Query and Redux Toolkit across many benefit modules, reducing user navigation time.
- Resolved API security challenges by implementing OAuth2, JWT, and IAM policies through API Gateway, safeguarding sensitive endpoints and achieving access compliance.
- Cooperated with a 10-member Agile team to integrate Apache Kafka event streams for audit and notification pipelines, enhancing system resilience and async processing.
- Automated end-to-end CI/CD using Jenkins, Terraform, Docker, and GitHub Actions, accelerating deployment frequency by 40% while maintaining high availability with AWS Lambda and S3.

Truist Bank

March 2023 – August 2023

Full Stack Engineer

Project Name: Customer Data Quality & Verification Platform

Technologies: Spring Boot, PostgreSQL, REST APIs, React, MUI, OAuth2, JWT, Playwright, Docker, GitHub Actions, AWS S3, EC2, NGINX, Lighthouse, Chrome DevTools, Agile

- Developed microservices for customer data validation, enrichment, and consistency checks using Spring Boot, PostgreSQL, and REST APIs, reducing data defects by 28%.
- Engineered React + MUI dashboards for real-time data quality monitoring, enhancing validation accuracy and cutting UI form errors.
- Deployed secure role-based access using OAuth2 and JWT, and automated end-to-end testing with Playwright, improving cross-browser/UI reliability and CI/CD pipeline stability by 35%.
- Executed Docker-based deployments through GitHub Actions and configured production hosting on AWS S3, EC2, and NGINX, achieving uptime and SSL-secured routing.
- Enhanced application performance using Lighthouse and Chrome DevTools, while collaborating in Agile ceremonies, conducting code reviews, and supporting sprint planning, resulting in 20% faster feature delivery.

HDFC Bank
Software Engineer
Project Name: Digital Loan Platform
Technologies: Angular, TypeScript, Spring Boot, RESTful APIs, MongoDB, JUnit, Postman, Jenkins, Git, CI/CD

September 2021 – May 2022

- Constructed a responsive loan origination portal using Angular and TypeScript with Spring Boot microservices, enabling seamless onboarding for 15,000+ customers per month.
- Developed and integrated RESTful APIs for account validation and credit scoring, reducing service response times across loan processing workflows.
- Optimized NoSQL (MongoDB) database design for large-scale loan and customer datasets, improving query performance by 40%.
- Cooperated with a 6-member cross-functional team to implement secure document verification workflows, cutting verification errors.
- Automated end-to-end testing with JUnit and Postman, increasing release efficiency by 25% and ensuring high-quality deliverables.

APSSDC
Software Engineer Intern
Project Name: Course Management Platform
Technologies: React.js, Axios, Node.js, Express.js, Java Stream APIs, Functional Programming, React Hooks

September 2020 – December 2020

- Delivered a responsive course management portal using React.js and Axios, scaling the platform to 10,000+ students and reducing mobile login failures by 30%.
- Established backend REST APIs in Node.js and Express.js to automate trainer assignments and course scheduling, streamlining workflows for 13 district coordinators.
- Improved complex data-processing logic using Java Stream APIs and functional programming, reducing feature delivery timelines during sprints.
- Collaborated with a 5-member engineering team to refactor frontend modules, improving development efficiency and accelerating release cycles.
- Enhanced React component architecture using hooks and memoization, improving UI responsiveness and reducing render delays by 35%.

Education

Master of Science in Computer Science / Data Analytics
University of Illinois Springfield (UIS), Springfield, IL

August 2022 - December 2023

Bachelor of Technology in Computer Science / Cyber Security
SRM University, India

June 2018 – May 2022

Certifications

- Attained AWS Certified Developer – Associate.
- Achieved Cloud Computing Certification – AWS Training & Certification.
- Completed Advanced Software Engineering – Walmart Global Tech.
- Earned Coding: Development & Advanced Engineering – Accenture.
- Completed Software Engineering Certification – Wells Fargo.