

# BHARAT CHUNDRU

## Software Engineer

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### PROFESSIONAL SUMMARY

Software Engineer with 2+ years of hands-on experience building scalable, secure, and cloud-native applications across enterprise and government platforms. Proficient in architecting and deploying solutions on **AWS** using **Java (Spring Boot)** and **React.js**. Proven ability to leverage technologies like **Apache Kafka**, **Docker**, and **Terraform** to drive significant improvements, including a **60% reduction in API response times** and release **cycles**.

### TECHNICAL SKILLS

**Programming Languages:** Java(17/21), JavaScript, SQL, Bash, Python.

**Frontend Development:** React.js (Redux, React Query, Hooks), Vue.js, Material UI, HTML5, CSS3, Bootstrap, Axios

**Backend Development:** Spring (Boot, Spring Cloud, Spring Security), Node.js, Express.js, RESTful APIs, GraphQL, Microservices Architecture, API Gateway

**Cloud Platforms & Services:** AWS (EC2, Lambda, S3, DynamoDB, EKS, RDS, IAM, CloudWatch, SNS, SQS)

**DevOps & Automation:** Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, Bitbucket Pipelines

**Databases:** PostgreSQL, MongoDB, MySQL, Oracle DB, Redis, JDBC, JPA

**Messaging & Security:** Apache Kafka, RabbitMQ, JWT, OAuth2

**Version Control:** Git, GitHub, GitLab, Bitbucket

**Testing:** JUnit, Playwright, React Testing Library, Postman

**Development Methodologies:** Agile (Scrum, Kanban), Test-Driven Development (TDD), Behavior-Driven Development (BDD)

**Build Tools & IDE:** Maven, Gradle, NPM, Visual Studio Code, IntelliJ IDEA

### PROFESSIONAL EXPERIENCE

#### Full Stack Developer

March 2024 – Sep 2025

##### Illinois Department of Innovation and Technology | Springfield, IL

- Led the development of scalable Spring Boot microservices on AWS using Java and DynamoDB, improving response times by 60% for high-traffic citizen service APIs.
- Rebuilt complex UI workflows using React.js, React Query, and Redux Toolkit to enhance interactivity, which cut development time by 25% across multiple benefit modules.
- Applied robust authentication and authorization mechanisms (OAuth2, JWT, IAM policies) via API Gateway to safeguard sensitive endpoints and enforce access control.
- Introduced Apache Kafka-based event streams to decouple components handling audit trails and notifications, resulting in more resilient and asynchronous data pipelines.
- Automated end-to-end deployment using Terraform, Docker, and GitHub Actions, decreasing manual intervention and accelerating release cycles by 70%.
- Delivered fault-tolerant serverless services using AWS Lambda, S3, and DynamoDB to streamline application processing and ensure high availability under traffic spikes.
- Led incident management and participated in on-call rotations, ensuring rapid resolution and minimal downtime during high-traffic events.

#### Software Engineer

May 2023 - Jul 2023

##### Eficens Systems | Atlanta, GA

- Built reusable onboarding microservices using Spring Boot and PostgreSQL, improving backend modularity and accelerating user registration processes across core modules.
- Developed responsive dashboards with React, Formik, and Material UI, reducing UI-related form errors by 40% and enhancing form validation accuracy across user workflows.
- Integrated OAuth2 and JWT for secure session management and implemented Playwright-based test automation, cutting cross-browser bugs by 35% and increasing CI/CD stability.
- Deployed full-stack apps using Docker and GitHub Actions, publishing frontend on AWS S3 and routing backend via EC2 and NGINX to ensure 99.9% uptime and SSL-secured access.
- Utilized Python for backend scripting and automation tasks, enhancing microservice functionality and streamlining data processing workflows within the onboarding platform.
- Participated in Agile ceremonies and code reviews while optimizing frontend performance with Lighthouse and DevTools, reducing load time by 25% and improving team velocity.

#### Software Engineer Intern

Sep 2020 - Dec 2020

##### APSSDC | India

- Built a responsive course management portal using React.js and Axios, which scaled to support 10,000+ students and reduced login failures on mobile by 30%.
- Engineered backend APIs in Node.js and Express.js to automate trainer assignments and course scheduling, streamlining workflows for district coordinators.
- Simplified complex data processing logic using Java Stream APIs and functional programming, which shortened feature delivery timelines during sprints.
- Addressed concurrency challenges by introducing synchronized operations and immutability, preventing data collisions during batch enrollments.
- Enhanced registration accuracy by applying client-side validation with Yup and sanitizing requests on the server, lowering submission errors by 40%.
- Reorganized React components using hooks and memoization strategies, which improved app responsiveness and cut render delays by 25%.

PROJECTS

Threat Intelligence Aggregator

- Designed a Spring Boot microservice to fetch, parse, and normalize Indicators of Compromise (IOCs) such as IPs, hashes, and domains from multiple threat feeds.
- Implemented correlation logic in MongoDB to identify overlaps and assign confidence scores for SOC prioritization during alert triage.
- Improved analyst efficiency by enriching threat context and eliminating false positives across disparate cyber intelligence sources.

Account Enablement Automation

- Built a user provisioning tool with Spring Boot, JDBC, and JavaMail API to automate access approval and email delivery of onboarding credentials.
- Designed modular workflows with input validation and retry logic to ensure accurate data capture and reduce approval cycle delays.
- Reduced manual workload by 85% and improved onboarding compliance across HR and IT systems in enterprise environments.

Secure File Transfer System

- Created a secure file-sharing platform in Java using AES-256 encryption for data confidentiality and RSA for key exchange between endpoints.
- Applied SHA-256 hashing for integrity verification and logged all file transfers using audit trails for internal compliance.
- Enabled secure P2P data transfer across internal networks, supporting sensitive document workflows with zero data loss incidents.

EDUCATION

Master of Science in Computer Science

Aug 2022 - Dec 2023

University of Illinois Springfield | Springfield, IL

Bachelor of Technology in Computer Science

Jun 2018 - May 2022

SRM University | India

CERTIFICATIONS

- **AWS Certified Developer** - Associate
- **Cloud Computing** - AWS Training and Certification, 2025
- **Advanced Software Engineering** - Walmart Global Tech, 2024
- **Coding: Development & Advanced Engineering** - Accenture, 2024
- **Software Engineering** - Wells Fargo, 2023