Bharat Chundru
Software Engineer
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SUMMARY

Software Engineer with 2+ years of experience building backend systems and full-stack applications that solve real business problems. Specializing in Java, Spring Boot, React, and PostgreSQL, with a proven track record of designing APIs, optimizing system performance, and deploying resilient services to the cloud. Known for delivering clean, maintainable code and driving efficiency in agile product teams.

WORK EXPERIENCE

Department of Illinois Innovation and Technology (DOIT) — Atlanta, GA
Full Stack Developer — **Mar 2024 – Present**

- Developed modular and reusable **UI components** using **React and Redux** Toolkit, improving maintainability and reducing frontend bugs by 30%.
- Architected a high-concurrency transaction processing system using **Spring Boot @Async** and **CompletableFuture**, increasing throughput by 40%.
- Resolved multi-tenant query bottlenecks by implementing **JPA Specification**s and **@EntityGraph**, reducing **DB latency** by 60%.
- Designed secure and scalable **REST/GraphQL API**s, applying rate-limiting **(Bucket4j)**, **API versioning**, and **HATEOAS** for **API evolution**.
- Integrated **Apache Kafka** for asynchronous event-driven architecture and decoupled inter-service communication.
- Integrated **OAuth2** and **JWT** for role-based access control; deployed on **AWS Lambda** with **DynamoDB** and **S3** for cost-effective scalability.

In Technet Ltd — Hyderabad, India
Software Engineer — **Aug 2021 - July 2022**

- Spearheaded frontend development with **React and React Query,** enabling seamless data synchronization with **backend APIs**.
- Built and optimized **REST APIs using Spring Boot and JDBC,** enhancing application responsiveness by 30%.
- Leveraged **Elasticsearch for** high-speed full-text search**,** improving query performance by 40%.
- Implemented **CI/CD pipelines with GitHub Actions and Jenkins,** cutting release times by 50%.
- Led secure **API design using JWT/OAuth2 and** built automated testing with **JUnit and Maven.**

BSNL — Vijayawada, India
Software Engineer Intern — **March 2021 - June 2021**

- Enhanced backend logic using J**ava multithreading and OOP**, boosting request throughput for concurrent operations.
- Applied performance optimizations like **lazy loading** and **code splitting** for faster page load.
- Contributed to distributed systems using **HTTP and custom protocols**; managed deployments with **GitHub Actions.**

APSSDC — Vijayawada, India
Web Developer Intern — **Sep 2020 - Dec 2020**

- Developed responsive interfaces using **React.js** and integrated **REST APIs** via **Express** and **Node.js**.
- Streamlined backend workflows with **MongoDB** and optimized data handling for dynamic content.
- Collaborated in **Agile teams** with **Git version** control for **sprint**-based development.

PROJECTS

Interactive Covid-19 Dashboards
- Built a dynamic dashboard using **React and Flask** to display real-time pandemic trends. Integrated **backend APIs** with optimized data handling and enhanced **UI** interactivity with **Plotly**

E-commerce platform
- Developed a full-stack web application using **Reac**t for the frontend and **Spring Boot** for the backend. Implemented **user authentication with JWT**, shopping cart using **Redux**, and **MongoDB** for dynamic product storage.

Student Enrollment Management System
- Developed a **Spring Boot-based** backend with **REST API**s to handle student enrollment, course assignments, and attendance tracking. Built a responsive **UI in React** for administrators and students. Data persisted in **PostgreSQL** with authentication via **Spring Security** and **JWT**

EDUCATION

University of Illinois Springfield — Springfield, IL
Master of Science, Computer Science — Aug 2022 - Jan 2024
GPA: 3.84

Technical Skills

- **Programming Languages**: Java, JavaScript/TypeScript, Python, SQL, Bash,
- **Databases**: MongoDB, MySQL, Oracle DB, PostgreSQL
- **Frontend**: React, Redux Toolkit, Material UI, HTML5, CSS3
- **Backend**: Spring Boot, Node.js, Hibernate, Flask, Django, Spring Security
- **Version Control**: Git, GitHub, GitLab, Bitbucket
- **Cloud:** AWS (EC2, Lambda, S3, DynamoDB, EKS), GCP(Compute Engine, Cloud Pub/Sub, BigQuery)
- **DevOps:** Docker, Jenkins, GitHub Actions, Nexus

- **Testing:** JUnit, Mockito, Jest, LoadRunner, Postman
- **Other Tools:** Kafka, REST, GraphQL, API Gateway, OAuth2, ELK Stack,
- **Development Practices**: Agile (Scrum, Kanban), Test-Driven Development, Behavior-Driven Development

Licenses & Certifications

Walmart: Advanced Software Engineering (focused on enterprise system design and microservices deployment)

Accenture - Coding: Development & Advanced Engineering (covered DevOps, backend design patterns, and secure APIs)

Wells Frago - Software Engineering (project-based training in Java, Spring, and cloud deployment)