Chetan Ranganath

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Software Engineer with over 3 years of experience in designing, developing, and deploying Java-based microservices. For the past 6 months, I have been leading a development team, contributing to design discussions, task planning, and code reviews. Currently pursuing a Master's degree in Software Engineering with a specialization in Full Stack Application Development. Seeking opportunities to take on larger technical ownership while continuing to grow as a leader.

Technologies

Languages: Java, Python, SQL, C++, C, TypeScript, JavaScript

Frameworks & Libraries: Spring Boot, React.js, Hibernate, HTML5, CSS3, JUnit, Mockito

Tools & Cloud: AWS, Kubernetes, Docker, Apache Kafka, Jenkins, GitLab CI/CD, Terraform, MongoDB, Oracle SQL, Dynatrace

Education

BITS Pilani Work Integrated Learning Programme, M.Tech. Software Engineering (Specialization in Fullstack App Development) — January 2025 – Present

- GPA: 8.8/10.0

Nitte Meenakshi Institute of Technology, B.E in Mechanical Engineering — June 2018 – June 2022

- GPA: 8.54/10.0

Experience

Software Engineer, Torry Harris Integration Solutions – Bangalore,India — Nov 2022 – Present

- **Client** : BT Group
- Designed, developed, and owned end-to-end Java-based microservices using Spring Boot, integrating REST and SOAP services, relational databases, and Apache Kafka.
- Authored and reviewed low-level design documents for 30+ services, ensuring scalability, maintainability, and production readiness.
- Led a development team by handling task estimation, code reviews, mentoring, and ensuring design and production readiness of services.
- Collaborated with E2E designers and service consumers to review API contracts, provide design feedback, and ensure high-quality service delivery.
- Owned services across development and test environments by managing YAML-based configurations, monitoring service health using Dynatrace, and supporting reliable deployments.
- Designed and implemented GitLab CI/CD pipelines as part of shift-left initiatives, including SonarQube quality gates, DAST integration, and functional and non-functional testing stages.
- Actively handled production incidents, performed root cause analysis (RCA), and worked with L2 support teams to ensure system stability.

Software Engineering Intern, DXC – Bangalore, India — August 2022 – Sept 2022

- Gained a solid understanding of operating systems in cloud environments and networking principles through participation in an intense bootcamp.
- Acquired a solid understanding of cloud computing and AWS services, with an emphasis on real-world uses.
- Enhanced proficiency with Python and JavaScript programming, along with knowledge of SQL and NoSQL.

Personal Projects

Equipment Lending Portal : GitHub Repo

- Built a full-stack equipment lending portal using React (TypeScript, Vite) on the frontend and Spring Boot (Java 17) on the backend to manage inventory and lending workflows.
- Implemented secure authentication and authorization using JWT.
- Designed and developed RESTful APIs using Spring Boot, with API documentation generated via SpringDoc OpenAPI.
- Developed a responsive and intuitive UI using React Router, React Bootstrap, and Framer Motion.
- Used MongoDB for data persistence and applied a clean separation between client and server deployments.

Password generator Link to Github Pages

- Developed a secure password generator web application using React 19 and TypeScript, deployed on GitHub Pages.
- Implemented cryptographically secure random password generation using the Web Crypto API and Fisher-Yates shuffle algorithm.
- Built responsive light/dark theme support with system preference detection and localStorage persistence.
- Added user-friendly features including show/hide password toggle, configurable length, character options, and one-click copy-to-clipboard.
- Organized code with modular structure, custom React hooks, and utilities to ensure maintainability and scalability.
- Applied TypeScript type safety, ESLint code quality checks, and automated build/deploy scripts via Vite and GitHub Pages.

Awards

- **Techie of the Quarter** (Q1 2025) – Torry Harris Integration Solutions
- **Star Performer of the Quarter** (Q1 2024) – Torry Harris Integration Solutions
- **Team Excellence Award** (Q3 2023) – Torry Harris Integration Solutions

Languages

- English, Kannada, Hindi (Fluent R/W/S)
- Tamil, Telugu (Speaking proficiency)