

# Tarun Akasapu

[Linkedin](#) | [Github](#) | [Portfolio](#)

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## SUMMARY

- **3+ years** of experience in designing and developing complex enterprise applications using **Java/J2EE**, web services (**SOAP, REST**), and various **SDLC** methodologies.
- Expertise in building high-performance, scalable apps with Core Java & Java EE, using object-oriented programming and design pattern.
- Proficient in developing loosely coupled, independently deployable services with **Spring Boot, Spring MVC**, and **Spring Security**.
- Expertise in Object-Relational Mapping with **Hibernate** and **JPA**, and real-time data synchronization with **Kafka**.
- Proficient in **HTML, CSS, JavaScript, Bootstrap, jQuery, AJAX**, and **Angular.JS** for responsive UI development.
- Experience in integrating **SQL** and **NoSQL** databases, optimizing performance and resource utilization.
- Mastery of Agile methodologies and cloud technologies (**AWS** services, **Docker**), with adaptability to modern development environments.
- Proficient in **Continuous Integration** and **Deployment** using tools like **Maven, Gradle, Jenkins**, and **Git**.
- Proficient in designing, developing, and integrating **RESTful APIs** and **microservices** architectures, enabling seamless communication between distributed systems and enhancing the scalability and flexibility of enterprise applications.

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## TECHNICAL SKILLS

<b>Languages:</b>	Java 8/11, Core Java, and SQL (T-SQL, PL/SQL)
<b>J2EE Technologies:</b>	JSP, JPA, ORM, JDBC, JavaBeans, Servlets
<b>Frameworks:</b>	Springboot, Spring MVC, Spring Security, Java Spark, Microservices, Hibernate
<b>Web Technologies:</b>	HTML, CSS, Bootstrap, Typescript, JavaScript, React.js, Angular.js, Node.js, jQuery, AJAX, JSON, XML
<b>Databases:</b>	MySQL, SQL Server, PostgreSQL, Oracle, DynamoDB, Redis
<b>Application Server &amp; Cloud:</b>	Apache Tomcat, AWS
<b>Others:</b>	LDAP, OAS, Lookup APIs, SCIM, Threats handling, Caching, UI/UX
<b>Tools:</b>	Visio, Maven, Gradle, Jenkins, GitHub, Jira, Log4J, Junit, Mockito, RabbitMQ
<b>IDEs:</b>	VS code, NetBeans, IntelliJ IDEA, Android Studio
<b>Environments:</b>	SDLC, Agile/Scrum, Waterfall, Windows, MacOS, Linux/Unix

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## PROFESSIONAL EXPERIENCE

### Java Full Stack Developer, HCA Healthcare, USA

Aug 2023 – Current

- Developed single-page, responsive web applications involving micro frontends using React, TypeScript, CSS, and **Redux** for state management ensuring seamless and engaging user experiences.
- Built reusable & customizable components for new website using **React.JS** & React-Routes to create a single-page web app.
- Guided the agile development of a **Java ERP** system, directly contributing to a 20% increase in project delivery speed.
- Implemented **RESTful APIs** with Spring Boot to enable seamless communication between front-end and back-end systems, improving data flow and system efficiency by 20%.
- Configured and managed **AWS EC2** instances to deploy scalable and high-performance web applications, resulting in a 25% improvement in application response time.
- Incorporated Maven for effective Java application development and deployment to handle dependencies and to deploy **Java/J2EE** applications on application servers without much error as **Maven** reduced the deployment errors by 20%.
- Operated and maintained **Kubernetes** Clusters in AWS (EKS), deploying Docker images for testing, increasing the speed of deployment by 30%, and decreasing the time of downtime by 25%.

## Java Developer, Intex Technologies, India

Jun 2020 – Jul 2022

- Incorporated Java and **Spring MVC** for building web applications that are highly scalable and robust with the MVC model, which has resulted in enhancing the application performance by 30%.
- Applied RESTful routing using Java Spark for APIs and web services that better data access & expanded API response time.
- Developed business components using **Spring boot**, IOC, AOP, Spring annotations and created user detail service for authentication and access control using Spring LDAP and **Spring Security**.
- Using microservices architecture, with Spring boot based services interacting via combination of REST& RabbitMQ message brokers.
- Migrated real-time data processing to serverless architecture using **AWS Lambda**, SNS & SQS achieving 50% faster processing.
- Build Lambda functions using **Express.js** and automate the process using the events created.
- Improved cloud deployments for cost & performance, achieving 20% cost reduction via resource optimization & security automation.
- Enhanced client system availability by architecting highly available cloud solutions, achieving 99.95% uptime.
- Optimized **CI/CD** pipelines using **Jenkins** for build & deployment, reducing deployment failures by 40%, improving deployment speed by 50%.

## EDUCATION

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### Masters in Computer Science & Engineering;

University of North Carolina at Charlotte, NC, USA

| May 2024

### Bachelors in Computer Science & Engineering;

Anil Neerukonda Institute of Technology & Sciences, India

| May 2022

## PROJECTS

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### Restaurant Management Application using Python and JavaScript [[Project Link](#)]

- Led a 5-member team in developing a Food Delivery Application, responsibilities included team coordination and backend development.
- Implemented role-based access control with Admin, User, and Employee roles.
- Admins had privileges like menu management, user access control, and order oversight. Ensured security using the Django framework and data management with SQLite, Frontend built using HTML, CSS, Bootstrap, and JavaScript for a user-friendly interface.

### Travel Management System using Kotlin and Spring Boot [[Project Link](#)]

- Utilized Maven for project development, creating 35+ REST APIs for the backend. Designed frontend using HTML and CSS. Enhanced app speed by 30% by implementing multithreading for parallel API requests.
- Leveraged HQL for database tasks, crafting 40+ queries and integrating 50+ searchable locations. Employed Tomcat for local app hosting.
- Collaborated effectively with team members, ensuring smooth communication and timely project completion.

### Faculty Leave Management System [[Project Link](#)]

- Developed a web application that maintains the faculty leave records and allows them to apply for a leave.
- Added an extra feature that enables users to track approval status of their leave.
- User records were stored in a MySQL database and backend was developed using Flask framework.

## CERTIFICATIONS

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[AWS Certified Developer Associate](#)

[Ultimate AWS Certified Developer Associate](#)

[The Web Developer Bootcamp](#)