

GYAN BAHADUR TAMANG

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JAVA FULL STACK DEVELOPER

Experienced **Software Developer (Full Stack - Java)** with over **6+ years** of comprehensive experience in the designing and developing of highly scalable and robust enterprise solutions with cross-functional teams using **Spring Boot, Spring Cloud, Spring Security, Hibernate, Angular, MySQL, PostgreSQL and AWS**.

CORE EXPERTISE

• Enterprise Application • Single Page Web Application • Web Development • System Integration • Micro-Services • SOA • User Interface • Software Development Life Cycle (SDLC) • Restful APIs Design • SOLID Principles • Unit and Integration Testing • Troubleshooting and Debugging • Database Management and Design • Agile Methodologies.

TECHNICAL SKILLS

- **Languages:** Java and SQL.
- **Web & Web Services:** HTML5, CSS3, XML, JSP, Bootstrap, JavaScript, JMS, REST Service, Micro-Services, JSON, SOAP.
- **Frameworks:** Angular, Spring, Spring MVC, Spring Boot, Spring Cloud, Spring Security, Hibernate, AOP.
- **Databases:** RDMS, MySQL, PostgreSQL, Redis, DynamoDB.
- **Testing frameworks:** JUnit, Mockito.
- **Tools:** Git, Jira, Docker, Kafka, RabbitMQ, Scrum, Tomcat, Maven, Gradle, Jenkins, Prometheus, Grafana, Postman.
- **Cloud Technologies:** Azure, AWS (ECS, EC2, RDS, SNS, SQS, IAM, Lambda, S3, CloudFront).

PROFESSIONAL EXPERIENCE & PROJECTS

HISP India

• Delhi, India

• Jul 2019 - Aug 2023

Projects: [DHIS2](#) and [OpenMRS](#)

Role: Software Developer

Responsibilities:

- Developed and integrated **micro services** for **DHIS2** and **OpenMRS** using **Spring Boot, Spring Cloud**, and **PostgreSQL**, ensuring scalable and efficient data management.
- Implemented **publish-subscribe (pub-sub)** communication channel to enable asynchronous interaction between micro services, enhancing system responsiveness.
- Designed and developed a responsive **user interface** using **Angular** and **Angular Material**, ensuring an intuitive and seamless user experience.
- Utilized **Java Messaging Service (JMS)** APIs to send detailed notifications on backend process completion and system-related issues, incorporating **RabbitMQ** for reliable message delivery.
- Implemented **real-time data streaming** for DHIS2 using **Kafka**, boosting data processing speed by 40%.
- Containerized applications using **Docker**, facilitating efficient deployment and portability across environments and deployed applications on AWS cloud servers, achieving high availability and ensuring seamless scalability.
- Utilized **Jenkins** for **CI/CD pipelines**, reducing release times by 30% and improving delivery consistency.
- Collaborated in an **Agile Scrum** environment, using Test-Driven Development (TDD) to develop feature components and actively participating in review meetings to track progress and resolve issues effectively.

Technologies Used: Java, Spring, Spring Boot, Hibernate, Spring Security, Spring Cloud, Microservices, JMS, Kafka, RabbitMQ, Java Beans, JDBC, Multithreading, JUnit, Mockito, XML, JSP, JavaScript, TypeScript, Angular 12, Node, Jest, Jasmine, PostgreSQL, Prototypes, Prometheus, Grafana, Scrum, Maven, Docker, Kubernetes, Jenkins, Redis, AWS, Github.

Solulab Inc.

• Ahmedabad, India

• Jan 2019 - Jul 2019

Project: [Bevvi](#)

Role: Software Developer

Responsibilities:

- Designed a responsive **user interface (UI)** using **Angular** and **Angular Material** for the Bevvi application, increasing mobile traffic by 25% and improving user satisfaction.
- Developed and Integrated **RESTful APIs using Spring Boot and MongoDB**, enabling seamless data exchange and functionality with third-party services.
- Implemented automated testing with **JUnit and Mockito**, enhancing application performance by 18%.
- Integrated **Elastic search** to enable efficient **full-text search** and **analytic**, enhancing data retrieval performance.
- **Monitored, debugged, Refactoring**, resolved application issues and production support, decreasing bug reports by 30% and maintaining optimal performance and quality assurance.
- Utilized **Jenkins** for **Continuous Integration and Continuous Deployment (CI/CD)**.
- Actively participated in the **Agile** software development lifecycle, **including designing, coding, testing, debugging**, and providing ongoing support to ensure timely and high-quality deliverables.

Technologies Used: *Java, Spring, JavaScript, ES6, NPM, Webpack, TypeScript, Angular 8, Node, Jasmine, Spring Boot, Spring Cloud, Hibernate, Elastic Search, Karma, NoSQL, MongoDB, CI/CD with Jenkins, Docker, Azure, GitHub.*

Insight Tycoon

• Kathmandu, Nepal

• Feb 2018 – Jan 2019

Project: [Tenderaa](#)

Role: Java Developer (Back-End)

Responsibilities:

- Developed a **Restful API** using **Spring Boot** and **PostgreSQL** to efficiently handle high volumes of business requirement-driven requests.
- Utilized **Java Messaging Service (JMS)** APIs with **RabbitMQ** to send detailed notifications upon backend process completion, including success or failure status, and to alert administrators about system-related issues.
- Implemented **Redis** for **caching**, resulting in improved application performance and reduced response times.
- Implemented **automated testing** with **JUnit and Mockito**, enhancing application performance by 18% and ensuring high-quality deliverables.
- Improved deployment efficiency by utilizing **Docker** for containerization and **GitHub Actions** for **CI/CD pipelines**, reducing application release times by 25%.
- Integrated **OpenAPI** for comprehensive API documentation and implemented **Swagger UI** to provide clear use cases, enhancing developer collaboration and API usability.

Technologies Used: *Java, JVM, Spring Boot, Spring Security, Hibernate, JWT, Stream API, Collection framework, RabbitMQ, JMS, JDBC, JUnit, Mockito, PostgreSQL, OpenAPI, Redis, Swagger UI, Scrum, Docker, Git Actions.*

ACADEMIC PROJECT

[Personal Medical Record Tracking System](#), Maharishi International University Fairfield, Iowa US, 2024

Implemented Personal Medical Record Tracking System to store and manage health relates data securely with own full control. Developed Full Stack Web Application using using Spring Boot, Spring Data, Spring Security, Spring Cloud, AOP, JWT, Hibernate, Caching, flux, Dependency Injection, MySQL in back end and Angular with CSS, HTML, Angular Material for Front End. Deployed it in Azure cloud Service using Github Actions for CI/CD pipeline.

EDUCATION

Master of Science in Computer Science (2023 – 2024)

Maharishi International University, Fairfield, Iowa, US.

Bachelor of Technology in Computer Science & Engineering (2015 - 2019)

Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab, India.

CERTIFICATION & DEVELOPMENT

- [Front-End JavaScript Frameworks: Angular](#) from **The Hong Kong University of Science and Technology**
- [Algorithmic Toolbox](#) from **University of California San Diego**