YOGESH "CYRUS" SHRESTHA

Mechanicsburg, PA 17050 | +1-717-609-3963 | yogesh.shrestha2054@gmail.com | LinkedIn | Portfolio

Full-Stack Software Engineer with 5+ years of experience designing and developing scalable, high-performance web applications. Proficient in building RESTful monolithic applications using Java and Spring Boot (Web, Data JPA, Security), with familiarity in microservices architecture. Skilled in crafting responsive front-ends using React.js, Next.js, and Tailwind CSS, and integrating back-end APIs for seamless user experiences. Experienced in implementing authentication and role-based access control using Spring Security, with familiarity in Keycloak. Hands-on with Docker, Jenkins, and AWS services like Lambda, API Gateway, and S3 for streamlined CI/CD and cloud deployment. Committed to clean code, test-driven development (JUnit, Cypress), and Agile/Scrum delivery.

TECHNICAL SKILLS

Languages & Framework: Java, JavaScript, TypeScript, HTML, CSS, Spring Boot (Web, Data JPA, Security), React.js, Next.js, Node.js, Express
Web & API Development: RESTful APIs, GraphQL, JSON, JWT, Familiar with Microservices Architecture
Frontend Libraries & UI Frameworks: Redux Toolkit, Zustand, Tailwind CSS, Material-UI, Bootstrap, Storybook
Databases: SQL (MySQL, PostgreSQL), NoSQL (Firebase), Hibernate, JPA
DevOps & Deployment: Docker, Jenkins, Git, CI/CD pipelines, Maven, Vercel
Cloud Platforms & Services: AWS (Lambda, API Gateway, S3, DynamoDB, CloudFront, Cognito), Familiar with Kubernetes
Testing: JUnit, Cypress, Postman, TDD (Test Driven Development)
Security & Auth: Spring Security, Keycloak, OAuth2
Development Tools: VS Code, IntelliJ, Trello, Figma, Mixpanel, StarUML
Methodologies & OS: Agiles/Scrum, Windows, Linux

PROFESSIONAL EXPERIENCE

LABORHUTT.COM — Dallas, TX
Software Engineer Intern • *Oct 2024 – Jan 2025*
Startup platform connecting users with local movers for furniture and heavy-item transport.
- Contributed to full-stack development of the platform using **Next.js**, **TypeScript**, **Firebase**, and **Tailwind CSS**, focusing on performance, SEO, and mobile responsiveness.
- Collaborated with the design team to convert Figma mockups into pixel-perfect UIs, resulting in a **20% boost in mobile user engagement**.
- Refactored the **Stripe payment workflow** to a manual capture system, improving payment accuracy and reducing disputes across transactions.
- Developed a dynamic **location-based cost calculator** using URL parameters and cached Firebase lookups, improving load times and SEO rankings.
- Handled CI/CD pipeline issues and **debugged production builds on Vercel**, ensuring uninterrupted feature delivery.
- Gained hands-on experience with **Cloud Functions**, **serverless deployment**, and real-time databases in Firebase.

Technologies: Next.js, TypeScript, Firebase, Stripe, Tailwind CSS, Google Maps API, Cypress, Chart.js, Redux, Twilio, Vercel, Mixpanel

WISEYAK SOLUTIONS PVT. LTD. — Kathmandu, Nepal
Full Stack Developer • Aug 2021 – Aug 2023
Contributed to the development of **WiseMD**, a HIPAA/HL7-compliant AI-powered EMR system built with **FHIR standards** and modern full-stack technologies.
- Designed and implemented a robust **Inventory Management System** using **Spring Boot** and FHIR resources (e.g., Medication, MedicationKnowledge), enhancing system functionality and compliance.
- Migrated legacy frontend to **React.js**, building modular, reusable components and standardizing UI kits with **Storybook**, improving maintainability and development speed.

- Built a custom **dynamic form builder** using React Flow and Drag & Drop libraries to support department-specific nested forms, increasing form creation speed and reducing errors.
- Developed real-time WebSocket functionality to stream patient reports and lab results, improving responsiveness and doctor collaboration across departments.
- Implemented **Spring Security-based authentication** with role-based access control; familiar with **Keycloak** integration for enterprise auth.
- Wrote comprehensive **JUnit and Cypress tests**, maintaining high test coverage and contributing to a robust CI/CD pipeline.
- Collaborated in an **Agile Scrum team**, closely coordinating with QA, design, and product for iterative releases.

***Technologies:** Java, Spring Boot (Web, Data JPA, Security), React.js, Material-UI, Zustand, Storybook, MySQL, Dgraph, Docker, Cypress, Keycloak, Postman, WebSockets, FHIR, Jenkins*

F. FIVE ENTERPRISES PVT. LTD. — Pokhara, Nepal
Full Stack Developer • *Nov 2018 – Jul 2021*
Led front-end and back-end development for a custom **School Management System (SMS)** platform serving educational institutions.
- Developed responsive UI components with **React.js**, **Material-UI**, and **Redux Toolkit**, ensuring compatibility across devices and improving user satisfaction.
- Built scalable backend services using **Java** and **Spring Boot**, including modules for student management, attendance tracking, and exam scheduling.
- Designed and implemented **RESTful APIs** with Spring Boot, enabling seamless integration between front-end and back-end services.
- Integrated third-party APIs for **payment processing** and **SMS notifications**, extending core functionality and enhancing system utility.
- Configured **GitLab CI/CD pipelines** to automate JavaScript and Java application builds, improving delivery speed and deployment reliability.
- Wrote **SQL queries** and used **MySQL** for data persistence, ensuring consistent and secure record-keeping.

Technologies: Java, Spring Boot, Spring Data JPA, Spring Security, React.js, Redux Toolkit, Material-UI, MySQL, GitLab CI/CD, Maven, Hibernate, HTML, CSS

ACADEMIC PROJECTS

Neighborhood Help Platform Backend — Maharishi International University (2025)
Technologies: Spring Boot, Spring Security, Spring Data JPA, Spring Web, PostgreSQL, JPQL, Hibernate, Postman, Docker, Microsoft Azure, Junit, Struct

Cafofo Real Estate Property Management System Full Stack — Maharishi International University (2024)
Technologies: React.js, Redux, Redux Toolkit, Material UI, Node.js, Spring Boot, Spring Security, Spring Data JPA, Spring Web, PostgreSQL, JPQL, Hibernate, Postman, Docker

Hotel Reservation System Backend — Maharishi International University (2023)
Technologies: Spring Boot, Spring Security, Spring Data JPA, Spring Web, MySQL, JPQL, Hibernate, Postman

News Portal Full Stack — Maharishi International University (2023)
Technologies: React.js, Node.js, Express, Prisma, PostgreSQL, Docker, Postman

---

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion April 2026)
Maharishi International University, Fairfield, Iowa

Bachelor's degree in Computing
London Metropolitan University, London, England (2021)