WASIF HUSSAIN

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PROFESSIONAL SUMMARY

Software engineer with 3+ years of industry experience in backend development, microservices, and healthcare technology. Proficient in Java, Spring Boot, REST APIs, FHIR interoperability, and event-driven systems; experienced in automated testing and CI/CD. Currently pursuing an M.S. in Computer Science.

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, JavaScript, Spring Boot, Spring Security, Spring Data JPA, Hibernate, Laravel, Vue.js
APIs & Healthcare: RESTful APIs, HL7 FHIR, FHIR R4, EHR integration, Cerner, Athenahealth
Data & Messaging: PostgreSQL, MySQL, MongoDB, Elasticsearch, RabbitMQ, Apache Camel, Flyway
Testing & DevOps: JUnit 5, Mockito, AssertJ, AWS, Docker, Jenkins, GitLab CI/CD, Git, TDD

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant | Prairie View A&M University — Sep 2026 to Present

- Assist faculty with research activities, including technical analysis, experimentation, and documentation.
- Support students with programming concepts, assignments, and technical problem-solving.

Software Engineer | Deerhold Ltd. — Feb 2024 to Jul 2026

- Contributed to PRIZM, a US healthcare data and analytics platform for patient and provider information.
- Used Elasticsearch for large-scale indexing and search; applied test-driven development to features and fixes.
- Built and maintained Jenkins CI/CD pipelines and collaborated on iterative releases within Agile teams.

Software Engineer (Contract) | Qure4u Inc. — Jul 2024 to Mar 2026

- Developed Java 21 / Spring Boot 3.5+ microservices and REST APIs for a patient-engagement and clinical-workflow platform.
- Integrated Cerner and Athenahealth EHR systems, implementing FHIR R4 data mapping aligned with HL7 FHIR standards.
- Used RabbitMQ and Apache Camel for asynchronous workflows; managed Flyway migrations and tested with JUnit 5, Mockito, and AssertJ.

Web Developer | Soft9 Pvt. Ltd. — Oct 2022 to Jan 2023

- Built HRM platform functionality with Laravel, Vue.js, and MySQL; integrated APIs for client-server communication.

EDUCATION

Prairie View A&M University | M.S. Computer Science — Expected May 2028

Tribhuvan University | Bachelor of Computer Application, GPA: 3.79 — 2018 to 2023

SELECTED PROJECTS

Restaurant Recommendation System | GitHub: Developed a cosine-similarity recommendation model; reported 90% recommendation accuracy.

Online Food Ordering System | GitHub: Built a web ordering system with a restaurant/order database and Stripe payments.

Tutor Hiring Mobile Application | GitHub: Built tutor matching and payments via Khalti API; added sentiment analysis of user reviews.

CERTIFICATIONS & TRAINING

Designing Event-Driven Architectures | AWS Training & Certification | Oct 2026
AWS Cloud Quest: Cloud Practitioner | Amazon Web Services (AWS) | Aug 2024
OWASP Top 10 Cybersecurity Risks for Java Developers | KnowBe4 | Jul 2024
Cybersecurity Essentials: Safe Web Browsing | KnowBe4 | Jul 2024
Critical Thinking for Better Judgement and Decision-Making | LinkedIn Learning | Aug 2024
Python/Django Training | Orchid International College | Mar 2022