

Aiman Mumtaz

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Summary — Performance-driven Senior Software Engineer with 5 years of experience specializing in building scalable, data-intensive full-stack applications. Expert in Java (Spring Boot) and Modern JavaScript (Next.js, React) with a proven track record in Fortune 500 companies (UnitedHealth Group). Adept in driving digital transformation through Azure Cloud, Microservices, and AI-driven solutions.

Skills

Languages Java, TypeScript, JavaScript, Python, SQL

Technologies Spring Boot, Next.js, Azure, MySQL, REST APIs, Microservices, Apache Spark, React.js, Figma (UI/UX)

DevOps & Tools Git, GitHub, Docker, Kubernetes, Azure DevOps, SonarQube

Experience

UnitedHealth Group (Remote)

Dec 2021 – Present

Senior Software Engineer

- **System Architecture:** Owned end-to-end design (HLD/LLD) of a generic extract-generation platform; reduced integration effort for new reports by 2 full sprints
- **Full-Stack Development:** Built enterprise applications using Spring Boot and React, including a custom feature allowing business users to trigger Azure Data Factory pipelines, reducing TAT by 24 hours
- **Big Data and Cost Optimization:** Engineered data extraction features processing 2TB/day via Apache Spark and Azure; achieved 500,000 USD annual cost savings through optimized resource utilization
- **Operational Excellence:** Developed an automated recovery pipeline for failed jobs, cutting manual intervention by 40 percent and improving job completion rates
- **Security and Quality:** Increased code quality by 20 percent by integrating SonarQube into CI/CD pipelines and driving strict compliance with secret rotation and security reviews

WebMD (Remote)

Jul 2021 – Dec 2021

Software Engineer

- **Internal Tooling:** Enhanced internal dashboards using Vue and Node.js, improving platform usability for 100+ internal stakeholders
- **DevOps Implementation:** Reduced deployment time by 30 percent by researching and implementing Docker-based CI/CD pipelines and Kubeconfig configurations

Farmley (New Delhi)

Jan 2021 – Jul 2021

Frontend Developer Intern

- **E-commerce Logistics:** Built an Order Management Service (OMS) automating inventory and fulfillment, reducing operational errors by 30 percent
- **User Engagement:** Developed an "Apply Coupon" feature and bulk upload tools using React and Angular, increasing user satisfaction by 15 percent

Key Projects

Enterprise File Validator — Python, Streamlit, Openpyxl, File I/O

- Developed a reusable framework to automate the reconciliation of datasets during Legacy-to-Modern system migrations
- Features: Mapping-driven fixed-width parsing, field-level comparison against base references, and automated Excel reporting with detailed mismatch highlights
- Impact: Eliminated manual reconciliation errors and accelerated regression testing for data-intensive reporting systems

AI-Powered Social Analytics (LinkedIn Roast) — Next.js, TypeScript, Grok API(Llama 3.3), Tailwind

- Architected a viral full-stack application that leverages LLMs to provide "brutally honest" profile analysis via advanced scraping and prompt engineering
- Implemented Next.js 16 server-side logic and React 19 concurrent features for seamless, low-latency AI responses (3 seconds)

Education

Jamia Millia Islamia

Bachelor of Technology in Computer Engineering