

# Zain Ishtiaq

## Senior Software Engineer | Full-Stack Developer | Tech Leadership

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## Summary

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Leveraging 9+ years of experience, I specialize in creating scalable software solutions and leading projects involving Java/Spring, Mobile App Development, Microservices, MERN Stack, and DevOps practices. I excel in performance enhancement, production support, and agile team collaboration, including leading peers and mentoring team members. Proficient in Java, Spring Boot, Hibernate, JPA, JavaScript, ReactJS, Vue.js, NodeJS TypeScript, Go, Kafka and gRPC with expertise in web services and enhancing user engagement.

## Experience

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### Fastn

**Oct 2024 - Continue**

#### Senior Full-Stack Engineer

- Developed and deployed scalable Java applications using Micronaut Framework, enhancing data processing efficiency and enterprise system integration.
- Worked with CEO, automated work flows and external connector implementation including tools like slack, shopify, fabric and so many more.
- Designed and implemented advanced AI agent and features, significantly optimizing workflows and reducing manual processes.
- Led cross-functional teams in architecture design and code reviews for Java, JavaScript, and Golang, ensuring best practices and maintainable code.
- Developed a custom alternative to AWS EventBridge and Pipes, creating an efficient event-driven architecture tailored for Fastn's platform.
- Worked closely with HP and Fabric teams to design and implement seamless integrations between Fastn, HP, and Fabric platforms, enhancing interoperability.
- Developed and maintained frontend applications using Vue.js and JavaScript, creating intuitive user interfaces for enterprise integrations and workflow automation platforms.
- Delivered scalable solutions that optimized communication workflows, reduced system dependencies, and improved operational efficiency.
- Developed and optimized Java applications and RESTful/SOAP web services.

### Careem

**Dec 2019 - Sept 2024**

#### Senior Software Engineer

- Led the design and development of scalable backend systems using JavaScript, Node.js, Java, and microservices architecture, catering to high-traffic applications.
- Built robust backend infrastructure with Go, Java, Spring Boot, and RESTful APIs, optimizing performance for large-scale user bases.
- Utilized Docker and Kubernetes for containerization and deployment, ensuring seamless scalability and high reliability in a production environment.
- Developed cross-platform mobile and web applications, leading a team and integrating third-party APIs to enhance ride-hailing and logistics functionalities.
- Wrote high-quality code in JavaScript and Golang while overseeing project management activities, mentoring junior developers, and managing client interactions.
- Developed and implemented a gRPC-backed service for dynamic fare negotiation in ride-hailing, enhancing performance and scalability while ensuring seamless integration with the Flexi Rides feature
- Implemented Kafka for real-time data processing, optimizing data streams and enhancing the overall system architecture.
- Played a key role in CPay, Careem's fintech platform, where I deployed the P2P payments module, enabling secure and efficient peer-to-peer transactions.
- Contributed to the development of modules with a user base in the millions, ensuring high performance and availability.
- Onboarded and mentored dozens of new engineers, fostering their integration into the team and contributing to their professional growth.
- Authored RFCs and PRDs, actively engaging in product and design discussions to influence the technical direction and strategy of the company.
- Executed projects involving complex systems and services, collaborating closely with cross-functional teams to deliver

innovative solutions that meet the needs of millions of users.

## Techverx

**Nov 2015 - Oct 2019**

### Software Engineer

- Developed and enhanced Java applications and mobile apps, focusing on improving user experience and system performance across various domains.
- Led the migration of legacy systems to a microservices architecture, which improved scalability and maintainability of the systems.
- Implemented frontend modules using Vue.js for healthcare, workforce management, and e-commerce solutions, improving application performance and maintainability.
- Implemented RESTful APIs and integrated third-party services to enhance application features and extend functionality.
- Designed and optimized MySQL databases to ensure efficient data handling and management.
- Spearheaded the development of a backend and Android app for My Worker, enhancing operational efficiency, and contributed to Moishe House, improving user engagement and platform functionality.
- Led the deployment and optimization of RysaRx, the US based pharmacy system which deals with patient, prescribers and drugs microservices including surescript and insurance billings.
- Managed project timelines and resources, defined project scope, and provided technical guidance while mentoring junior developers.
- Coordinated with stakeholders to ensure timely delivery of project milestones and aligned deliverables with project goals.

## Education

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### COMSATS University Islamabad

**March 2011- Sept 2015**

Bachelor of Software Engineering

## Skills

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- **Programming Languages:** Java, Javascript, Kotlin, Go, MERN, Vue.js, TypeScript
- **Cloud Computing:** AWS, Azure, Docker, Kubernetes, Microservices, Terraform, gRPC
- **Data Management:** MySQL, Postgresql, MongoDB, Elasticsearch, SOAP/REST Web Services, JMS, Airtable, Quickbooks, AWS QuickSight
- **Development Tools & Practices:** Git, REST/SOAP Apis, Jenkins, Kafka, Make, CI/CD, Agile Methodologies, Swagger, Software Development Best Practices, Design Patterns, Web 3.0
- **Soft Skills & Leadership:** Problem-solving, Analytical thinking, Communication, Leadership, Team management, Adaptability, Continuous learning, Collaboration