

# Muhammad Abdur Rahim

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Innovative and detail-oriented **Java Software Developer** specializing in **Java/Java EE, Spring Boot**, and **micro services architecture**. Proven track record in designing scalable healthcare solutions, integrating secure payment gateways, and delivering advanced reporting tools. Adept at collaborating within Agile teams to produce high-quality, maintainable software in dynamic environments.

## Skills

- **Programming Languages:** Java, JPQL, SQL
- **Frameworks & Libraries:** Spring Boot, Spring MVC, Hibernate, JUnit
- **Tools & Platforms:** Docker, Git, Maven, RabbitMQ, WebSockets, Twilio, Azure DevOps, IntelliJ IDEA, Visual Studio Code
- **Databases:** MySQL, PostgreSQL, Microsoft SQL Server
- **APIs:** RESTful Web Services, Swagger, Postman
- **Development Methodologies:** Agile, Scrum, Test-Driven Development
- **Security:** Spring Security, JWT

## Experience

NOV 2023 - PRESENT

### Senior Java Developer / Pmtac Private Limited, Rawalpindi

- Designed and developed a healthcare management system using **Java, Spring Boot**, and **RESTful APIs** with features like claims processing, insurance integration, EMR, and precision billing.
- Built and deployed scalable **micro services architecture**, ensuring high availability and performance.
- Implemented **Spring Security** for authentication and authorization, safeguarding sensitive patient data and ensuring **HIPAA compliance**.
- Collaborated with cross-functional teams including QA, DevOps, and UI/UX to deliver high-quality, maintainable code in an **Agile/Scrum** environment.

DEC 2022 – NOV 2023

### Junior Java Developer / Pmtac Private Limited, Rawalpindi

- Contributed to the development and maintenance of **Java-based web applications** using **Spring Boot**, adhering to coding standards and functional requirements.
- Collaborated with senior developers to **debug**, test, and implement new features, participating in **code reviews** to ensure code quality and maintainability.

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# Projects

NOV 2023 - PRESENT

## Patient and Practice Management System

- Designed and developed a comprehensive healthcare platform to manage **patient records, practice work flows, insurance claims, and diagnoses** using **Java, Spring Boot, and RESTful APIs**.
- Implemented **CRUD operations**, secure data handling, and seamless integration with third-party services for claims and insurance processing.
- Focused on scalable architecture and maintainable codebase using **MVC design pattern, Spring Data JPA, and SQL Server**.

🌐 Live demo: <https://hmspms.azurewebsites.net/pms-app/>

JULY 2024 – PRESENT

## Real time Patient Monitoring and Payment Integration

- Developed a **real-time patient monitoring dashboard** using **Spring Boot** (backend) and **Angular** (frontend) to display vital health metrics and alerts for clinical staff.
- Integrated **Stripe Payment Gateway** into the healthcare platform, enabling secure and compliant transactions via **Apple Pay, Google Pay, and Stripe Pay**.
- Ensured end-to-end **API integration, tokenized payment handling, and HIPAA-compliant data exchange**, enhancing both usability and data security.
- Utilized technologies including **Java, REST APIs, and Spring Security**, ensuring a scalable and secure architecture, reducing security incidents to zero.

🌐 Live demo: <https://ircmpay.com/login>

JULY 2023 – OCT 2024

## Electronic Health Record (EHR) System

- Developed a comprehensive **EHR management system** supporting real-time notifications for updates such as prescriptions and diagnoses.
- Implemented data import/export functionality using **HL7** and **FHIR** healthcare interoperability standards for seamless integration with external medical systems.
- Managed medical records including diagnoses, treatments, prescriptions, and medication history with secure and efficient data tracking.
- Built reporting and statement generation features to provide actionable insights for healthcare providers.
- Utilized **Java, Spring Boot, RESTful APIs, and secure data management practices** to ensure system reliability and compliance with healthcare regulations.

🌐 Live demo: <https://ircm.azurewebsites.net/ircm-app/#/auth/login>

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## Education

JULY 2017 – AUGUST 2021

**Bachelors in Information Technology (BS-IT) / Quaid-I-Azam University, Islamabad**

CGPA: 3.3 / 4.0

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## Activities

### Languages

- English – Fluent
- Urdu – Native

### Volunteer Work / Leadership

- Volunteer Java Mentor — Helped beginners with Java fundamentals and project guidance
- Participated in a team for final year project in food catering domain, handling architecture and core development tasks

### Personal Projects & Interests

- Actively contribute to open-source Java projects on GitHub and Java Development Community
- Enthusiastic about advance innovations and AI integration in Java Programming
- Python programming using Fast API for Restful Services
- Passionate about exploring automation, data science, machine learning, and artificial intelligence, with a focus on leveraging Python for innovative solutions