Mst. Fatema Khatun

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Summary

Software engineer with 1+ years of experience in building scalable web applications using Spring Boot and React. Skilled in MySQL, PostgreSQL, and Oracle, with a strong Agile mindset and a drive for continuous learning.

Work Experience

Junior Software Engineer Sep 2024 – Present

Informax Technology Limited

- Designed and developed enterprise-grade applications using Spring Boot and React in Agile teams.
- Managed Oracle and PostgreSQL databases for secure and efficient transactional data handling.
- Participated in full software development lifecycle: planning, coding, testing, and deployment.

Key Projects:

- **Reinsurance System** – Enterprise solution for efficient management of reinsurance contracts.
  - Developed backend services for treaty setup and data flow from underwriting to bordereaux including risk card processing with Spring Boot.
  - Built responsive frontend components using React.js to improve user experience.
  - Integrated Oracle database to maintain reliable and streamlined data flow.
- **Bancassurance Platform** – Platform enabling banks to offer insurance products directly.
  - Developed REST APIs for policy management, claims handling, and premium automation using Spring Boot.
  - Enhanced customer and agent portals with React.js for seamless interaction.
  - Implemented reporting features and ensured compliance with data security standards.
- **Premium Calculation System** – Internal system for accurate insurance premium calculations.
  - Implemented core premium calculation logic accounting for policy duration, age, DOB, and coverage.
  - Developed secure user roles and approval workflows.

Trainee Software Engineer Mar 2024 – Aug 2024

Informax Technology Limited

- Assisted in backend and frontend development using Spring Boot and React.
- Gained practical experience with relational databases and Agile methodologies.

Projects & Research

- Skin Disease Classification using MobileNet V2 & LSTM — Developed an efficient model achieving 87% accuracy using feature reduction, normalization, augmentation, and hyperparameter tuning.
- Facial Emotion Detection with OpenCV & Python
- E-commerce Website with PHP and MySQL
- Blood Bank Management System in Java (JFrame, MySQL, NetBeans)

Technical Skills

Programming Languages: Java, C, C++, Python, JavaScript
Frameworks & Libraries: Spring Boot, React.js, Redux, Next.js, Thymeleaf, Tailwind CSS
Web Technologies: HTML, CSS
Databases: PostgreSQL, MySQL, Oracle
Tools & Platforms: Git, GitHub, VS Code, Figma, JasperReports
Development Practices: Object-Oriented Programming (OOP), Agile (Scrum), Secure Authentication

Education

BSc in Computer Science and Engineering

Rajshahi University of Engineering and Technology *2018 – 2024*
CGPA: 3.43 / 4.00

Relevant Courses:

Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Software Engineering, Database Systems, Data Communication, Software Testing, Computer Architecture, Network Security