

# JENISH KUMAR

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## Objective

Java Full-Stack Developer with hands-on experience in Spring Boot, Spring MVC, Hibernate, RESTful APIs, Microservices, and React. Proficient in Agile development methodologies and modern UI technologies. Seeking an opportunity to apply strong Java/J2EE skills while contributing to scalable enterprise applications and continuously learning emerging technologies.

## Experience

### Software Developer at Zircog Technologies

- Designed and consumed RESTful APIs for seamless front-end and back-end integration.
- Collaborated with cross-functional teams to deliver projects within deadlines and improve code performance.
- Wrote clean, optimized, and reusable code following best software development practices.
- Worked with MongoDB and SQL databases for CRUD operations and data management.
- Implemented secure authentication and authorization mechanisms using JWT for role-based access control.
- Participated in code reviews, testing, and deployment to ensure product quality and reliability.
- Utilized Git and GitHub for version control and project collaboration.

### Web development at CodeClause

- Developed and deployed web applications using HTML, CSS, JavaScript, and PHP, building three minor projects during the internship.
- Collaborated with a team of developers to ensure responsive and functional designs.
- Enhanced frontend/backend development, team collaboration, and deadline management skills.

## Skills

Programming Languages	Java, JavaScript
Frameworks	Spring Framework (Spring Boot, Spring REST, Spring MVC), React
Database	MySQL, Oracle, SQL Server (SSMS), MongoDB
Java Technologies	Rest APIs, Spring Security, JWT Authentication, Microservices
IDE and Tools	Eclipse, IntelliJ IDEA, STS (Spring Tools), Maven, AWS, Log4j, SLF4j, JUnit, Mockito, SonarQube, Kafka and Redis Testing, GitHub, Bitbucket, PuTTY, Datadog, Postman, Advanced REST Client.
Operating System	Windows, Linux, MacOS

## Education

Techno International, Newtown, Maulana Abul Kalam Azad University of Technology, West Bengal, India

B.Tech. - Computer Science Engineering | CGPA: 7.59

## Projects

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### Banking Credit Scoring & Batch Processing System – DEUTSCHE BANK

**Tech Stack:** Java 11/17, Spring Boot, Spring Batch, Microservices, REST APIs, Kafka, Redis, AWS, Oracle, Maven, Log4j, React, Angular, JIRA, Confluence, Postman

- Contributed to the development of a Banking Domain application enabling customer loan eligibility evaluation through credit score calculation based on Composite Engagement and Engagement Partner records.
- Developed and maintained multiple RESTful APIs within the VFE unit to support customer credit scoring and banking workflows.
- Designed and implemented Spring Batch Clean-up Jobs in the Explore unit to remove obsolete Composite Engagement and Engagement Partner records from the system.
- Analyzed client requirements and prepared step-wise process flow and design diagrams for batch job execution.
- Implemented business logic using Spring Batch Reader and Writer classes, ensuring efficient and reliable data processing.
- Integrated Kafka and Redis to support messaging and caching for improved system performance.
- Utilized AWS services for deployment and scalability of microservices-based architecture.
- Performed API testing and validation using Postman, and tracked development activities through JIRA with documentation in Confluence.

### Email Sending Service REST API

**Tech Stack:** Java, Spring Boot, Jakarta Mail (JavaMail API), PostgreSQL, RabbitMQ, RESTful APIs, React.js, Tailwind CSS, React Router, React Context API, JWT Authentication, Docker, AWS

- Developed a production-grade email sending and notification microservice using Java Spring Boot, exposing RESTful endpoints for sending plain text, HTML, and attachment-based emails.
- Integrated Jakarta Mail API for secure SMTP communication (Gmail/Custom Mail Server) and RabbitMQ for asynchronous, queue-based email delivery.
- Implemented email logging and status tracking in PostgreSQL with retry and error-handling mechanisms for reliability.
- Designed a modular architecture enabling scalability, high throughput, and easy integration with third-party systems or enterprise platforms.
- Containerized and deployed the service using Docker, with optional AWS EC2 integration for cloud-ready deployment and scaling.
- Added support for template-based emails and future enhancements such as React-based monitoring dashboards, analytics, and rate-limiting.

### Smart OPD & Resource Allocation Platform

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT, RESTful APIs

- Developed a modular, full-stack hospital management platform addressing OPD queuing models, real-time bed tracking, patient admission, and inventory control.
- Implemented role-based access control (Admin, Doctor, Patient, Staff) with secure JWT-based authentication and dynamic dashboards.
- Integrated inventory management with automated alerts for medicine shortages and prescription generation.
- Designed RESTful APIs and ensured scalability for future integration with city-wide healthcare networks, third-party apps, and predictive analytics modules.
- Deployed on cloud-ready architecture (AWS/Azure compatible), laying the groundwork for telemedicine and IoT extensions.

## Certificates

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### Oracle Certified Professional

- Earned the Oracle-Certified Professional credential in Oracle Cloud Database Services 2025, demonstrating proficiency in provisioning, managing and optimizing cloud database solutions.
- Recognized by Oracle University for advanced skills in cloud database deployment and operations, achieving certification

### TCS iON Career Edge – Young Professional

- Completed the TCS iON Career Edge – Young Professional program by Tata Consultancy Services in 2025, demonstrating proficiency in essential workplace and professional development skills.
- Acquired competencies in communication, presentation, soft skills, career planning, resume writing, group discussion, and interview techniques.
- Gained practical knowledge in business etiquette, effective email and telephone communication, accounting fundamentals, IT foundations, and an overview of artificial intelligence.

## Soft Skills

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Leadership • Communication • Management Skills • Adaptability • Problem Solving • Time Management

## Interests

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Photography ▪ Music ▪ Technology ▪ Poetry ▪ Sports

## Academic and Extracurricular Achievements

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- Solution Challenge Intra College Hackathon Runner up
- Top 20 in Kavach Internal hackathon
- Qualified in SIH Internal hackathon

## Positions of Responsibility

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- Core Member of Photography Club of TINT
- Member of Coding Club of TINT
- Organized SCINTILIA(Science Exhibition)
- Hosted a workshop named SCRATCH for beginners