Avinash Dubey

Associate Digital Engineer (Java Spring Boot Developer)

Java Spring Boot Developer with 3+ years of experience building secure, scalable enterprise apps using Java, Spring Boot, Hibernate, and PostgreSQL. Delivered banking modules for public sector bank and backend systems for a leading transportation tech firm. Known for boosting security, reliability, and performance. Passionate about clean architecture.

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Work Experience

Associate Digital Engineer
DGLiger Consulting Pvt. Ltd.

07/2023 - Present,   *Gurgaon, India*

Achievements/Tasks

- Work on end-to-end projects, from gathering business requirements to design, documentation, development, and deployment.
- Hands-on experience with Java, Spring Boot, PostgreSQL.
- Developed and implemented screens and integrated Spring Security to improve data security. Also maintained Apache Tomcat server, overseeing all deployment-related tasks to ensure smooth and reliable application performance
- Received many appreciations and recognitions for outstanding performance and dedication.

Associate Software Engineer
Navyug Infosolution Private Ltd.

02/2022 - 04/2023,   *Noida, India*

Achievements/Tasks

- Collaborated with software development team members to design and develop robust solutions that meet client requirements for functionality, scalability, and performance.
- Proficient in Java, Spring Boot, Spring MVC, Spring Hibernate, and PostgreSQL through hands-on experience.
- Earned recognition for exceptional dedication and effort in designing a new module for billing functionality.

Education

Bachelor of Technology (B. Tech)
GLA University, Mathura

08/2018 - 06/2022,   *8.69 CGPA*

12th
Heliger Borden Education Center, Kanpur

04/2016 - 06/2017,   *70.0%*

10th
Dr. Virendra Swarup Public School, Kanpur

04/2014 - 06/2015,   *83.8%*

Achievements

- Received Extra Mile Award in DGLiger Consulting Pvt. Ltd.
- Received Silver Medal for achieving second place in Computer Science Engineering branch.
- Secured 3rd place in the ICE Day Competition organized by IBM
- Secured 2nd place in Kabaddi at Maitree.

Technical Skills

Languages: Java, SQL

Frameworks: Spring Boot, Spring MVC, Spring Security, Hibernate, JPA

Databases: PostgreSQL, MySQL, Oracle

Tools: Git, GitHub, Maven, Apache Tomcat

Other: RESTful APIs, Microservices (design), Authorization, Linux, CI/CD Basics, JUnit, Mockito, Unit Testing, Swagger, OAuth2, Kafka

Projects

Punjab National Bank (SSO/GAP/RBS Applications)

- Led design and development of PNB banking applications using Java, Spring Boot, and Angular.
- Implemented OAuth2-based SSO using Spring Security, centralizing authentication and improving security; reduced login issues by 40% and cut sign-in time by 1.8s.
- Designed and implemented the GAP (Generalized Application Platform) application to address specific banking needs, integrating features tailored to regulatory compliance and operational efficiency, thereby supporting seamless banking operations.
- Developed and implemented the Risk-Based Supervision (RBS) system, offering a framework for real-time risk assessment and management, enhancing regulatory compliance, and streamlining processes for improved efficiency.
- Contributed to PNB's digital transformation, delivering user-friendly applications that support a wide range of banking services.

Bytecurve LLC

- Worked on Bytecurve, a platform for school bus operators to manage route scheduling, daily operations, and payroll generation.
- Collaborated with the development team to create scalable and robust solutions meeting client requirements for functionality and performance.
- Developed Spring REST controllers and implemented PostgreSQL for efficient request handling and data storage, earning recognition for creating a new billing module and resolving key system issues.
- Wrote 120+ unit tests using JUnit5 to harden billing module.

Smart Urine Bag

- Developed a system to alert healthcare providers via smartphone when a urine bag nears overflow, improving care for bedridden patients.
- Conducted a comparative analysis of HX711 weight sensor, water level sensor, and UV sensor, concluding that HX711 provided the highest accuracy.
- Implemented using a NodeMCU Wi-Fi module for real-time monitoring; the project was funded by the Government of India with Rs 1.35 Lakhs.

Research Work

- Authored the chapter 'Progress of COVID-19 Epidemic in India' in Health Informatics and Technological Solutions for Coronavirus (COVID-19), accepted for publication by CRC Press, US, January 2021.
- Presented and published a research paper on 'Prediction of Students Performance Based on AI and ML' at the FSAET-2020 International Conference, organized by GLA University, Mathura, India.
- Presented a paper on 'AI-Based Online Result Prediction System' at the ICA3C-2020 International Conference, organized by IIMT University, Meerut.