Pranav Thakur

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Associate Software Engineer

Professional Summary:

- Software Engineer with 3.7 years of experience in Java, Spring Boot, and Microservices Development, specializing in RESTful APIs, Cloud Integration, and software optimization in the Banking and Finance domain.
- Achieved 100% code coverage, consistently meeting client requirements and deadlines.
- Skilled in breaking down monolithic applications into Microservices, improving deployment flexibility, scalability, system resilience, and fault tolerance to achieve API optimization.
- Strong collaboration skills with QA teams, architects, and stakeholders in Agile environments.
- Utilized scientific methods and data-driven analysis for diagnosing and optimizing microservices architecture.
- Developed Standard Operating Procedure (SOP) documents to streamline processes.
- Experienced in designing and implementing Java-based Microservices architectures, ensuring scalable and maintainable solutions

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Work Experience:

- **Cognizant Technology Solutions - Associate Software Engineer**
  📅 September 2021 – Present   ↳ Pune, India
  - Completed Full Stack Development training, specializing in Java, Spring Boot, React.js, and AWS.
  - Awarded GenC Honours for exceptional performance in Full Stack Development.
  - Gained expertise in Agile methodologies, enhancing both technical and soft skills like communication and presentation.
  - Collaborated with cross-functional teams, including architects and QA, to develop and deploy microservices-based applications in a cloud environment, improving system performance and scalability.
  - Earned multiple team and client commendations for outstanding collaboration, service, and project delivery

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Skills:

- **Backend Technologies:** Java 8, Spring Boot, Spring (Integration, MVC, JDBC, ORM, JPA)
- **DevOps Tools:** Gradle, Maven, NPM, Docker, Bitbucket, Azure DevOps, TFS, Jenkins
- **Cloud Technologies:** Redhat Openshift, AWS, Spring Cloud
- **Testing Technologies:** Junit 5, Mockito,Cucumber Automation Testing, Gatling, API Testing
- **Database Technologies:** MySQL, MongoDB, PostgreSQL
- **Frontend Technologies:** ReactJS, HTML, CSS, JavaScript, Bootstrap
- **Other Skills/Technologies:** Microservices Architecture, Restful Web Service, Agile Methodologies, Jira, Linux Commands, Kibana, Instana, IntelliJ Idea, Spring Tool Suite, VS Code, Figma, Adobe XD, SOLID Principles, Root Cause Analysis, Debugging, Issue Resolution, Coding Standards

Projects:

1. **Discover Digital Payments – Software Engineer (** ▦ August 2022 – Current**)**
- **Overview:**
  Discover Digital Payments revolutionizes financial transactions with mobile wallets, contactless payments, and digital banking solutions, ensuring strong security and user privacy.

- **Technologies used:**
  - **Backend Technologies:** Java 8, Spring Boot, Microservices Architecture, Rest APIs, Kafka
  - **Database Technologies:** PostgreSQL, MySQL, Flyway, Hackolade
  - **Testing Technologies:** Junit5, Mockito, Cucumber, Gatling
  - **DevOps Technologies:** Gradle, Github, Jenkins, Helm, Trident, SonarQube
  - **Cloud Technologies:** Redhat Openshift, AWS(S3, RDS)
  - **Monitoring Technologies:** Kibana, Instana, Datadog

- **Key Contributions:**
  - Designed, built, and deployed scalable microservices using Spring Boot, with CI/CD pipelines (Jenkins, Docker, Helm) on cloud platforms such as AWS and Redhat OpenShift
  - Refactored monolithic applications into modular Spring Boot microservices, enhancing deployment flexibility, scalability, and system fault tolerance while aligning with modern cloud-native architecture principles
  - Contributed to the end-to-end deployment of multiple enterprise applications, including initial setup, database configuration, production rollout, monitoring, and documentation
  - Developed secure and reliable APIs for authentication, validation, and OTP processing, maintaining full unit test coverage to support quality and regression control
  - Implemented efficient inter-service communication using RESTful APIs and asynchronous messaging using Kafka optimizing API interactions between internal services and external systems to improve response times and enhance overall system performance
  - Implemented multi-schema support in PostgreSQL on AWS RDS instances, enabling Flyway-managed migrations and sharing a single database across pre-production environments, saving approximately $20,880 annually
  - Collaborated with QA to implement Spring Cucumber test scenarios for Behavior-Driven Development (BDD), improving test clarity and cross-functional understanding
  - Introduced Gatling-based performance testing for Spring Boot APIs, identifying bottlenecks and ensuring scalability under load
  - Created real-time monitoring dashboards and alerting systems to ensure seamless API management and rapid issue detection

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Education:

- **Masters in Technology,** ▦ 2022 - Present
  Pimpri Chinchwad College of Engineering, Pune
- **Bachelor of Engineering (Computer Engineering),** ▦ 2018 – 2021
  Dr. D. Y. Patil College of Engineering, Pune
- **Diploma in Computer Engineering,** ▦ 2015 – 2018
  Pimpri Chinchwad Polytechnic, Pune