Dinesh Sripathi Panditharadhyula

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SUMMARY

Java backend developer with 3+ years of experience in building scalable, high-performance applications using Spring Boot, Spring MVC, Hibernate, and RESTful APIs. Possesses proven domain expertise in Human Capital Management (HCM) and Finance, delivering optimized backend solutions that enhance efficiency, reduce response times, and improve user satisfaction. Proficient in database design and optimization with MySQL, PostgreSQL, and MongoDB, as well as CI/CD implementation, automated deployments, and robust testing using JUnit and Mockito. Recognized for strong problem-solving abilities, effective cross-functional collaboration, and consistent delivery of high-quality solutions.

EDUCATION

University of Alabama at Birmingham, Alabama, USA   **August 2024 - May 2026**
Master of Science in Computer Science,

Vasireddy Venkatadri Institute of Technology, AP, India   **July 2018 - April 2022**
Bachelor of Technology in Computer Science and Engineering

TECHNICAL SKILLS

- **Expertise in Programming Languages:** C, C++, Java (J2EE, J2SE), Python, R, HTML, JavaScript, TypeScript, PHP
- **Frameworks & Libraries:** Spring Framework, Hibernate, JWT, OAuth2, Spring Security, React JS, Angular, Bootstrap, Redux, Tailwind CSS, Scikit-learn, NumPy, Pandas
- **Web & Backend Development:** REST APIs, Spring Boot, Microservices
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & DevOps:** AWS (EC2, API Gateway, Lambda, S3, RDS), GitLab, Datadog, CloudWatch
- **Testing & QA Tools:** JUnit, Mockito, Cucumber (BDD), Jacoco, Swagger/OpenAPI
- **Tools & IDEs:** Jira, GitHub, Postman, Maven, IntelliJ, Jupyter Notebooks, Linux, SonarQube

PROFESSIONAL EXPERIENCE

Web Developer | UAB Library   **May 2025 – Present**
- Maintaining and enhancing the UAB Library website using React.js and Java Spring Boot microservices, improving API response time by 35% and reducing page load latency.
- Deploying and managing applications on AWS EC2 and S3, achieving 99.5% uptime and enhancing resource efficiency by 20% through optimized configurations.
- Monitoring and debugging production issues with Postman and AWS CloudWatch to ensure high availability and a seamless user experience

Java Backend Developer (SDE-1) – EPAM Systems   **June 2022 – July 2024**
- Engineered high-performance Java microservices and optimized SQL query execution, boosting API throughput by 30% and reducing latency by 30%, resulting in faster data delivery and improved scalability.
- Diagnosed and remediated over 60 production defects, decreasing critical incident frequency by 25% and elevating application resilience and user experience.
- Orchestrated CI/CD pipeline enhancements leveraging automation and version control best practices, achieving a 20% reduction in deployment cycle times and ensuring continuous delivery excellence.
- Presented data-driven insights and financial performance analyses to executive leadership through benchmarking, scenario modeling, and variance analysis, driving strategic decision-making.

Intern – EPAM Systems   **January 2022 – Jun 2022**
- Engineered RESTful web services using Spring Boot and Spring MVC, optimizing data flow and improving communication across multi-layered application architectures.
- Implemented meticulous unit testing using JUnit and Mockito, reducing code defects by 15% and ensuring reliable API delivery and optimal system performance.
- Gained valuable hands-on experience in backend development, effectively integrating core Spring frameworks with database management tools for improved data access and processing efficiency.

PROJECTS

Email Classification using SVM | Python, Scikit-learn
- Implemented Support Vector Machine (SVM) models to classify emails as spam or not spam using the Spambase dataset.
- Evaluated performance of different kernel functions (Linear, Quadratic, RBF) and compared SVM results with another classifier to assess accuracy.
- Gained hands-on experience in data preprocessing, feature selection, and model evaluation in Python.

Vaccine Management System | *Java, Spring, MySQL*
- Designed and implemented a scalable Vaccine Management System that streamlined vaccine dose booking processes, resulting in a 40% reduction in user wait times and enhanced overall client satisfaction ratings.
- Developed a scalable Vaccine Management System with web and REST APIs, achieving a 50% increase in booking efficiency and a 99% system uptime rate.
- Enhanced system reliability by 50% through the design and implementation of an API Gateway strategy with synchronous and asynchronous communication support.