SAIKUMAR PAKKIR

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Professional Summary

Innovative Full Stack Developer with deep expertise in Java, Spring Boot, microservices, and cloud platforms, delivering robust, scalable applications and RESTful services. Proficient in modern UI technologies, crafting intuitive and responsive user interfaces. Proven success in enhancing user experience and operational efficiency through creative, high-quality software solutions. Adept in Agile methodologies, driving project success through collaboration, clear communication, and iterative delivery. Expert in algorithm design, system architecture, and code optimization, with a passion for solving complex challenges and delivering exceptional results.

Technical Skills

- Java and Python programming
- Spring Framework and Hibernate
- JavaScript and TypeScript languages
- Angular and ReactJS web technologies
- NodeJS and GraphQL frameworks
- MVC and design patterns
- Maven and Gradle build tools
- RESTful and SOAP web services
- MongoDB and MySQL databases
- Azure and AWS cloud services
- Git and GitHub version control
- Selenium and JUnit testing frameworks
- JMS and Kafka messaging tools
- MS Office suite, JIRA, Confluence
- Docker and Kubernetes orchestration
- Agile and Scrum methodologies
- GitHub Actions, Jenkins, Azure DevOps, Terraform
- Log4j and SLF4J logging frameworks

Professional Experience

American Airlines | DFW, TX
Software Developer
10/2022 - Current

- Developed and deployed scalable applications using **Java, Spring Boot**, and microservices architecture for high performance and maintainability.
- Implemented **Mixed Integer Linear Programming** models with FICO Xpress to enhance decision-making and operational efficiency.
- Designed cloud-based solutions on **Azure Kubernetes Service (AKS)** for seamless application deployment and management of containerized workloads.
- Utilized **Azure services** including App Service, Functions, Service Bus Queue, and Key Vault to build secure and scalable cloud applications.
- Built responsive and interactive front-end interfaces using **React**, **HTML**, **CSS**, and **JavaScript**, improving accessibility and UX in dynamic web applications.
- Automated infrastructure management with **Terraform**, improving deployment efficiency and minimizing manual configuration errors.
- Built CI/CD pipelines using **GitHub Actions** and **Azure DevOps** to automate code integration, testing, and deployment.
- Implemented **Log4j** and **SLF4J** for robust logging and debugging, ensuring effective monitoring and troubleshooting of Java-based systems.
- Monitored application performance and identified bottlenecks using **Dynatrace**, enabling proactive issue resolution and improving system reliability.
- Collaborated with cross-functional teams in **Agile/Scrum** environment to ensure timely delivery of high-quality solutions.

Delta Airlines | Atlanta, GA
Full Stack Java Developer
02/2022 – 10/2022

- Participated in all phases of the Software Development Life Cycle **(SDLC)**, driving requirements analysis, system design, and architecture optimization for robust solutions.

- Built high-performance, scalable microservices using **core Java** concepts such as multi-threading, concurrency, and the Collections Framework.
- Optimized Java application performance through JVM **tuning** and **profiling** with VisualVM, reducing memory usage and improving response times by 15%.
- Built and secured RESTful web services with **Spring Security** and **OAuth2**, ensuring safe data exchange between microservices and external systems.
- Designed and developed UI for Customer Service Modules and Reports using **Angular 7, TypeScript, HTML**, and **CSS**.
- Utilized **AWS services** such as EC2, S3, Lambda, and RDS to design and manage scalable, secure cloud infrastructure for application deployment and data storage.
- Enhanced microservices scalability with **Apache Kafka** event streaming, optimizing message throughput by 10% for real-time data pipelines.
- Integrated **Oracle** and **PostgreSQL** for robust backend data management and real-time transaction processing.
- Integrated **SonarQube** into CI/CD pipelines to automate static code analysis, enforce coding standards, and maintain high code quality across microservices.
- Mentored junior developers in Java best practices and Spring Boot microservices design, enhancing team productivity and code quality.

Gap Inc. | San Francisco, CA
Full Stack Developer
08/2021 - 02/2022

- Architected and implemented microservices-based applications using Java and Spring Boot, leveraging **J2EE design patterns** like Value Object, Business Delegate, and DAO for modular and scalable systems.
- Leveraged Java 11 features, including enhanced **String APIs** and Local-Variable Syntax for **Lambda** Parameters, to improve code efficiency and readability in enterprise applications.
- Designed modular and maintainable backend systems with Spring MVC, applying **Inversion of Control (IoC)** and **Dependency Injection (DI)** principles.
- Developed batch processing solutions using **Spring Batch** to handle high-volume data operations, improving processing efficiency for large-scale datasets.
- Developed **GraphQL APIs** optimizing data retrieval by 10% through efficient query resolution for **MongoDB**.
- Developed lightweight backend APIs using **Node.js** and **Express.js** to complement **ReactJS** frontends, enhancing full-stack application performance.
- Built modular and scalable front-end interfaces using **ReactJS**, **TypeScript**, and **Next.js**, delivering fast-loading, SEO-friendly web applications.
- Developed and optimized **Python** scripts to automate data processing and system tasks, enhancing operational efficiency and scalability.

Unilever | Hyderabad, TS
Java Developer
01/2020 - 07/2021

- Developed scalable backend logic using Java 8, leveraging **Streams**, Optional, and Lambda expressions to enhance code efficiency and readability in **microservices** architecture.
- Designed functions using design patterns such as **MVC**, **Singleton**, and **Factory**.
- Integrated front-end interfaces with HTML, CSS media queries, **JavaScript**, and **AJAX**, enabling seamless API interactions and user-friendly navigation.
- Built lightweight services using **Node.js** to expose backend data and logic to modern frontend frameworks.
- Wrote unit tests using **JUnit** and **Mockito** to ensure the quality of code.
- Optimized existing **SQL** queries to enhance database performance and reduce response time by 20%.
- Participated in code reviews and gained valuable feedback on code quality, design patterns, and best practices.

Educational Details

University of Central Missouri | Warrensburg, MO
Master of Science in Computer Science
Relevant coursework: Data Structures and Algorithms, Cloud Computing and Machine Learning