**Divya Sivamurugan**

Lead Product Software Engineer

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# Professional Summary

Engineering leader with 14+ years of experience in building scalable enterprise applications in the legal and communication domains. Proven ability to lead engineering teams, drive end-to-end product development, and deliver high-impact solutions. Skilled in Java, microservices, cloud platforms, and Agile methodologies. Passionate about mentoring teams and fostering innovation.

# Technical Skills

* **Languages:** Java, Python, Groovy
* **Frameworks:** Spring Boot, Hibernate, FastAPI, Flask, LangChain, Streamlit, React.js
* **Cloud:** Microsoft Azure, Google Cloud (Vertex AI, Google AI Development Kit)
* **Tools & DevOps:** Git, Azure DevOps, Bitbucket, GitHub Copilot, Docker, Kubernetes
* **Databases:** PostgreSQL, MongoDB, Azure Cosmos DB
* **Messaging & Integration:** Apache Pulsar, Dapr, Apache Kafka
* **Methodologies:** Agile, Scrum
* **Architectures**: Microservices, Monolith
* **AI & Machine Learning:** Retrieval-Augmented Generation (RAG), Azure OpenAI, Vertex AI

# Leadership Highlights

* Led a team of 8+ engineers across 10 product releases, improving delivery velocity by 25%.
* Mentored junior developers and conducted regular code reviews, driving a shift-left approach that improved code quality and reduced post-release defects by 20%.
* Managed project timelines and deliverables across cross-functional teams, ensuring on-time releases and proactive stakeholder communication that improved transparency and reduced scope changes.
* Championed Agile practices to improve team velocity and delivery quality.
* Integrated GitHub Copilot into the development workflow to accelerate coding, reduce boilerplate, and improve developer productivity.
* Promoted a culture of AI-assisted development, leading knowledge-sharing sessions on best practices for using Copilot effectively.
* Built a FastAPI-based Retrieval-Augmented Generation application leveraging ChromaDB and Azure OpenAI for intelligent document processing. Showcased automated document ingestion, semantic search, and AI-powered query responses, enabling faster and more accurate knowledge access.

# Professional Experience

**Lead Product Software Engineer | Wolters Kluwer Elm Solutions, Chennai | Apr 2021 – Present**

* Designed and implemented scalable microservices for legal document automation.
* Reduced manual document handling by 80% through automation.
* Ensured code quality and maintainability through regular SonarQube scans and remediation.
* Integrated Black Duck scans into the CI pipeline to proactively manage open-source vulnerabilities.
* Designed and implemented event-driven workflows using Apache Kafka, enabling scalable and decoupled communication between microservices for real-time document processing and integration.
* Built and maintained robust CI/CD pipelines using Azure DevOps for automated build, test, and deployment.
* Defined and enforced coding standards and best practices across the team.
* Participated in architectural reviews and contributed to long-term technical strategy.
* Worked closely with product managers to translate business requirements into technical deliverables.
* Conducted quarterly performance check-ins to support team development and performance management.

**Senior Software Engineer | Wolters Kluwer Elm Solutions, Chennai | Apr 2016 – Mar 2021**

* + Designed microservices architecture using Spring Boot, enabling modular and maintainable backend systems
  + Improved application performance by 30% through JVM tuning, SQL optimization, and efficient caching strategies using Redis.
  + Implemented CI/CD pipelines using **Azure DevOps** and **Bitbucket Pipelines**, and deployed containerized services with **Docker** on **Kubernetes** for seamless delivery and scalability.
  + Ensured secure API development with OAuth2, JWT, and role-based access control, adhering to OWASP standards.
  + Participated in architectural design discussions, led code reviews, and mentored junior developers to uphold engineering excellence.

**Software Engineer | Datacert Inc, Chennai | Apr 2014 – Mar 2016**

* Developed reusable components for enterprise applications using **Java**, **RESTful** **APIs**, **JQuery**, and **Spring Framework**.
* Migrated a legacy .NET application to a Java-based architecture, improving maintainability, scalability, and integration with modern systems.
* Ensured complete unit test coverage for all implemented code to maintain high reliability and support continuous integration.
* Practiced Agile Scrum methodology with active participation in sprint ceremonies, daily stand-ups, refinements and collaborative team planning sessions.

**Analyst - System Development| Verizon Data Services Pvt Ltd, Chennai | April 2013 – Apr 2014**

* Developed a maintenance ticketing system using Spring framework and RESTful web services, enabling efficient issue tracking, assignment, and resolution.
* Worked closely with product managers to gather requirements.
* Mentored junior team members, providing guidance on technical best practices, reviewing their work.

**Software Engineer| Verizon Data Services Pvt Ltd, Chennai | Oct 2010 – Mar 2013**

* Assisted in developing a fault-tolerant system using **Spring Web** to support monitoring and management of network faults and performance across multiple products.
* Contributed to unit and integration testing efforts using **Junit** and **Mockito**.
* Boosted workflow efficiency by 10% through strategic refactoring and performance tuning, leveraging performance monitoring tools such as **Glowroot** and **AppDynamics**.

# Certifications

* Azure Kubernetes Service (AKS) – LinkedIn Learning, 2023
* SAFE Agile Fundamentals – LinkedIn Learning, 2022

# Education

Bachelor of Engineering in Computer Science, Anna University, 2006 – 2010