

Davin S Thomas

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EDUCATION

Dayananda Sagar University Bengaluru, India
Bachelor of Technology in Computer Science and Engineering [8.98 CGPA] Aug. 2018 – Jun 2022

WORK EXPERIENCE

Software Development Engineer Aug 2022 – Present
Mercedes-Benz Research and Development India [MBRDI] Bengaluru, India

- Optimized the performance of a business-critical API by 50x, reducing processing time from 15 minutes to 18 seconds for 15K items.
- Optimized logging infrastructure and reduced operational overhead by 89%, decreasing daily log volumes from 1.35M to 150K entries while also implementing MDC-based structured logging, environment-specific log level configurations, and optimized log patterns.
- Led end-to-end migration of 4,000+ lines of database access code from MyBatis to JPA, improving code maintainability, standardizing ORM practices, and reducing development overhead.
- Migrated hard-coded secrets to K8s volume mounted secrets across microservices enhancing application security and conducted team-wide knowledge transfer.
- Implemented OS thread-based parallel processing for batch operations, resulting in 97% faster execution times and 36x throughput improvement.
- Owned complete development life-cycle for several new application flows supporting two regional user bases, achieving 100% on-time delivery with zero critical production issues.
- Consistently resolved critical production issues with minimal business impact, maintaining rapid response times and achieving zero extended downtime across multiple incidents.
- Led technical design and end-to-end development of complex features, producing detailed documentation and owning complete implementation life-cycle.
- Actively contributed to multiple microservices through feature development, bug fixes, code reviews, and technical integration guidance.
- Provided comprehensive code reviews with detailed functional and technical feedback, mentored new joiners and interns, and drove high code quality standards across the team.

TECHNICAL SKILLS

Languages: Java, SQL (PostgreSQL, MySQL), C, JavaScript, HTML/CSS

Technologies: Spring, Spring Boot, Quartz, JPA/Hibernate, MyBatis, Apache Kafka, REST APIs, Microservices

Developer Tools: Git, Docker, Kubernetes, Maven, OpenSearch, DataDog, Apache JMeter, VS Code, IntelliJ, Eclipse, GitHub Copilot

NOTABLE ACHIEVEMENTS

- Recognized in Project Newsletter (March 2024) for multi-threading implementation that delivered 36x performance improvements
- Received Business Unit recognition for standardizing logging practices across microservices and delivering critical performance optimizations, significantly enhancing system observability and operational efficiency

CERTIFICATIONS

- Certified SAFe Practitioner [Scaled Agile, Inc]