

Joe Schlosser

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As a solution-focused full-stack engineer with 10+ years of experience, I have developed expertise in designing, developing, testing, and delivering innovative software solutions end-to-end—from responsive front-end interfaces to robust back-end services, APIs, databases, AI, and cloud infrastructure. My curiosity and proactive attitude drive me to continuously learn new technologies and programming languages, ensuring I stay current in a rapidly evolving industry. I am an innovator and leader, dedicated to enhancing business efficiency through technological advancements.

My core skills include analyzing and understanding code across various programming languages to determine its purpose and functionality. Once understood, I optimize, modify, and rewrite code to improve its performance, readability, and compatibility with modern standards. This approach ensures that the codebase—whether front-end, back-end, or full-stack—remains efficient, maintainable, scalable, and aligned with project objectives, ultimately supporting the delivery of high-quality software solutions that meet organizational needs.

Certifications: Microsoft Certified: Azure Fundamentals, Optum AI Dojo

Languages/Technologies: Java, JUnit, JavaScript, TypeScript, Angular, HTML, CSS, PostgreSQL, Shell scripting, Spring framework, Docker, Gradle, GitHub Actions, GitHub, GitHub Copilot, AI, RabbitMQ, Jenkins, Python, Selenium, AWS (S3, SQS, SNS, DynamoDB, Lambda, API Gateway, RDS, Cost Explorer, CodeDeploy, CodePipeline, CodeBuild), SQL, Groovy, XML, REST clients, Big Data.

PROFESSIONAL EXPERIENCE

Optum, Remote

Lead Software Engineer – March 2025 to present

Senior Software Engineer – October 2021 to March 2025

Strategic Lead Engineer and primary technical authority with a proven track record of driving the entire software development lifecycle. Recognized as a mission-critical troubleshooter, I am frequently sought out by leadership to steer high-stakes technical recoveries and stabilize complex deployments across the full-stack architecture. By leveraging AI-driven workflows and diverse language expertise, I architect end-to-end solutions—bridging the gap between responsive front-end interfaces and robust, scalable back-end services.

- Optimized application performance to handle substantial data volumes, enhancing speed and efficiency in processing over 2 billion rows in the database. Speeding up the load time from around 13.5 seconds to 2.5 seconds; greatly improving user experience.
- Leveraged Generative AI tools, including GitHub Copilot for AI-assisted coding, to accelerate the software development lifecycle (SDLC), resulting in a significant increase in development velocity and feature throughput.
- Developed an AI-driven data modeling solution on claim data to generate profitability scores for incoming claims, enabling prioritized processing and data-driven decision-making to improve business outcomes.
- Designated Technical Owner (TO) and primary escalation point for critical production issues, leading rapid root-cause analysis and resolution for complex system failures to ensure maximum uptime.

- Collaborated closely with end-users to gather requirements, streamline development processes, and design solutions that align precisely with their needs.
- Led the planning and implementation of major features, including proof of concepts (POCs), story breakdowns, serving as the technical authority for the team, resolving complex architectural blockers and 'unsolvable' bugs that stalled delivery for other developers.
- Identified and mitigated high-risk technical debt and system vulnerabilities; served as the go-to resource for modernizing legacy codebases that were prone to failure.
- Automated local deployment scripts using Shell scripts, significantly simplifying and expediting development workflows for fellow developers.
- Expanded application capabilities through the integration of various third-party software solutions.
- Continued to develop my skills and learn new ones along the way by taking classes for Azure and AI. Passed the Microsoft Certified: Azure Fundamentals exam and the Optum AI Dojo capstone.
- Technology expertise. Proficient in Java, JUnit, JavaScript, TypeScript, Angular, HTML, CSS, PostgreSQL, Shell scripting, Spring framework, Docker, Gradle, GitHub Actions, Jenkins, Python and Selenium.

Thomson Reuters, Eagan, Minnesota

Senior Software Engineer – March 2021 to October 2021

Software Engineer - June 2017 to March 2021

Intern Software Engineer – Summer 2015 & 2016

Re-engineered legacy systems through planning, designing, developing, and testing new software using multiple languages to meet aggressive deadlines and exceed internal and external customers' expectations.

- Improved execution time by 300% of 60 million trademark images uploaded to AWS.
- Operated with Agile methodologies, spanning 5 scrum teams, across locations in India, Belarus, Russia, New York and Minnesota.
- Worked on a microservice team that took SQS messages from another microservice, altered data in our systems using RDS and REST calls, then sent a SQS message out to another microservice for further processing.
- Collaborated with an external vendor to design input data files. Plan and led implementation across a team of 10 people.
- Componentized an application that enabled dynamic user data entry which reduced user dependency on technology for process changes.
- Updated legacy code for new systems integration and improved customer experience.
- Worked with content owners/customers to get requirements for scraping web pages for files to download into our systems.
- Technology expertise. Proficient in AWS (S3, SQS, SNS, DynamoDB, Lambda, API Gateway, RDS, Cost Explorer, CodeDeploy, CodePipeline, CodeBuild), Java, Python, SQL, JUnit, Groovy, JavaScript, XML, Bash, Ksh, scripting, Docker, REST clients, and Big Data. Knowledgeable in Angular, Typescript, Spring, Hibernate, Html, CSS, and ag-grid (HTML5 grid plugin).

EDUCATION

St. John's University – Graduation date (May 2017)

- Major in Computer Science; Minor in Mathematics