

Sean Gallagher

Lead Software Engineer

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Software Engineer with proven track record in leading software development projects. Successfully designed and implemented efficient software solutions that contribute to high user satisfaction. Demonstrated team leadership expertise, ensuring timely delivery and quality assurance.



Skills

Programming Languages: Java, C#

Relational DBs: Postgres, Oracle, MySQL

CICD: Jenkins, Docker, Kubernetes, Shell, Python

Cloud: GCP, AWS

NoSQL: MongoDB, Cassandra

Messaging: RabbitMQ, Pub/Sub, SQS, LBM



Work History

Aug 2021 - Aug 2025 **Lead Software Engineer**

FTD , Downers Grove (Remote), IL

- Planned and implemented quarterly goals and business growth initiatives between external and internal partners
- Designed and developed the company e-commerce platform integration software. Implemented all e-commerce workflows including order fulfillment, acknowledgement, cancellation, and invoicing.
- Reduced delivery partner cancellations over 15% by analyzing patterns of order rejects and creating business and technical solutions
- Migrated client integrations applications from on-premise to Google Cloud in a seamless transition. Proxy routing was configured in Google Apigee and applications deployed to Google Kubernetes Engine (GKE).
- Developed the curriculum for onboarding new technical hires and supervised new team member technical development

Feb 2020 - Aug 2021 **Vice President, Software Engineer**

JP Morgan Chase, Chicago, IL

- Led development effort to transform monolithic digital alerting application into cloud microservices. Microservices are written in Java 11 with spring-boot, versioned in git, and run on a PFC based cloud environment.
- Owned, supported, and led new feature development for legacy Chase digital notification server.
- Automated application deployment pipeline by creating Jenkins jobs that dockerize Java microservices and pushes the images to a PCF cloud.
- Led the planning, development, design, and delivery of 6-month emergency project that prevented service outage for over 30 million monthly users prior to the hard deadline.

- Solution ambiguous business problems into epics of technical user stories and delegate to team members.
- Mentor Junior developers through pair programming leading to their ability to complete complex development assignments.

**Aug 2019 -
Mar 2020**

Software Engineer

JP Morgan Chase, Chicago, IL

- Develop high volume middleware systems using Spring Boot for web service development, Apache Kafka for app2app communication, and Apache Cassandra for data persistence.
- Team "Non-Functional Requirement Champion" analyzed application compliance in regards to application monitoring, security, and performance.

**Mar 2014 -
Aug 2019**

Software Engineer

Here Technologies, Chicago, IL

- Developed and solutioned high-definition mapping software. Applications were written in Scala and Java, deployed as Docker containers, and run on AWS EC2.
- Designed and developed product acceptance tests for continuous deployment. Tests were written in Java and used the Cucumber framework.
- Lead team SCRUM meetings, sprint retrospectives, agile planning, and monitored team velocity.
- Developed (RESTful) back-end and front-end tools for internal customers. Application front-end was written in Java and leveraged Google Web Toolkit (GWT).
- Determine root causes of production issues and develop solutions. Solutions were estimated and communicated to automotive customers directly.

**Dec 2012 -
Mar 2014**

Software Engineer

Networked Insights, Chicago, IL

- Designed and developed RESTful style webs services which serviced application data to front end consumers. Web services were built in Java using the Spring MVC framework and ran on Apache Tomcat.
- Managed team application deployment processes from development through to production. Application code artifacts were tagged via the Maven release plugin, built in Jenkins CI, archived in Sonatype Nexus, and configured in Puppet manifests.
- Developed (front and back-end) features for the company SaaS product. The front end was written in Java code using the Apache Wicket framework and the backend coded in Java.
- Created processes which tested functionality of the company SaaS product for regression. Tests were written in Java and used the Selenium framework to incorporate browser automation.

**Mar 2010 -
Dec 2012**

Java Application Developer

Pierpont Securities, Naperville, IL

- Developed (the front and back-end), tested, and deployed real-time trading components used by the firm for monitoring financial risk and TMPG compliance. The front-end was created using a licensed charting API. Code was written in Java, configured in Spring, and tested using the JUnit API.
- Created the firm's web-based collateral swap margin invoice process from scratch using Vaadin. The invoice is used by operations to identify discrepancies in payables to and receivables from the firm's counterparties.

- Developed, tested, and deployed web-based reports which highlight security trading deviations from historical market trends. Reports were created using BIRT and the dependent datasets developed put together in SQL.
- Defined requirements for the trading, sales, and compliance teams by prototyping user interfaces (in both Excel and Java/Swing) and by conducting personal interviews.

**Jun 2008 -
Mar 2010**

Programmer/Analyst Intern

Walgreens, Deerfield, IL

- Increased performance time on main applications to better meet company-client service level agreements (SLAs) by tuning Oracle SQL queries.
- Modified prescription drug event processes to comply with Center for Medicare and Medicaid Services (CMS) claim submission standards.
- Assumed the subject matter expert role on the technology side for highest grossing business application in the department.
- Automated the execution of complex manual insurance claim processes through shell scripting combined with PL/SQL which eliminated hours of daily support from a team mid-level developer.



Education

Dec 2009

Bachelor of Science, Computer Science, North Central College, Naperville IL

- Program concentration includes object oriented programming and design, web programming, operating systems, discrete mathematics, networking, and databases
- Graduated Cum Laude

**May 2001 -
Mar 2018**

Coursework, Data Science, University of Chicago - Chicago, IL

- Studied linear models, data mining, and statistical analysis.
- 4.0/4.0 GPA