

Sean Gallagher

Senior Software Engineer

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Senior Software Engineer with 10+ years of experience designing and building backend cloud-native systems. Strong background in Java and distributed services, with a proven ability to modernize legacy platforms and mentor engineers.



Skills

Languages: Java (primary), C#, Python

Cloud and Containers: AWS, GCP, Kubernetes, Docker

Relational DBs: Postgres, Oracle, MySQL

NoSQL: MongoDB, DynamoDB, Cassandra

CICD: Git, Jenkins, Shell Scripting, Python

Messaging and Streaming: RabbitMQ, Kafka, SQS, Pub/Sub



Work History

Aug 2021 - Lead Software Engineer

Aug 2025 FTD, Downers Grove (Remote), IL

- Led the design and development of backend services supporting core business workflows, including order fulfillment, acknowledgements, cancellations, and invoicing.
- Collaborated closely with product, QA, and platform teams to translate loosely defined requirements into well-scoped technical solutions.
- Mentored engineers through design discussions, code reviews, and technical guidance while remaining hands-on with implementation.
- Reduced delivery partner cancellations by over **15%** by analyzing patterns in order rejections and driving both business and technical solutions to retain orders.
- Migrated client applications from on-premises infrastructure to **Google Cloud**, configuring application routing through **Apigee** and deploying services to **Google Kubernetes Engine (GKE)**.

Feb 2020 - Vice President, Software Engineer

Aug 2021 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 PCF 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 - Software Engineer**

Mar 2020 *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 - Software Engineer**

Aug 2019 *Here Technologies, Chicago, IL*

- Developed and solutioned low-level mapping software as part of the Highly Automated Driving team. 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.

◆ **Dec 2012 - Software Engineer**

Mar 2014 *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 - Java Application Developer**

Dec 2012 *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 TMG 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.
- 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 - Programmer/Analyst**

Mar 2010 *Walgreens, Deerfield, IL*

- Increased insurance claim adjudication runtime by tuning SQL queries leading to cost savings by avoiding company-client SLA penalties.

- Assumed the subject matter expert technical role for highest grossing business application in the pharmacy department.
- Automated the execution of complex manual insurance claim processes through shell scripting combined with PL/SQL



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