

Courtney J Ingersoll

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TECHNICAL SKILLS

- PROGRAMMING: Java 21, Groovy, Python, SQL, NoSQL, Visual Basic, Caché, XML, CSS, VB.Net, C#, TypeScript, JavaScript
- TOOLING: Spring Framework, Maven, Kafka, RESTful APIs, Spock, Mockito, Datadog, AWS, Vault, Docker, Kubernetes, PostgreSQL, Salesforce Marketing Cloud, Snyk, Databricks, Reactive, Cloudsmith, OpenShift, ArgoCD, Swagger, JUnit, Cloud Foundry, GitHub, IntelliJ, Sentry, Redis, Cucumber, Copilot, ChatGPT, MongoDB, DataGrip, PyCharm, Bitbucket, CI/CD, Agile, Scrum, Jira, TDD, BDD

EDUCATION | UNIVERSITY OF NEBRASKA – LINCOLN

- Bachelor of Science - Computer Engineering Graduated May 2014
- Bachelor of Science - Electrical Engineering GPA: 3.867

WORK EXPERIENCE

THRIVENT

REMOTE

ENGINEERING LEAD

MAR 2025 - PRESENT

SENIOR SOFTWARE DEVELOPER

APR 2023 - PRESENT

- Engineering lead and back-end engineer for financial service organization supporting marketing campaigns and analytics.
- Developed applications using Java 21, Groovy, Spock, Spring Framework, Docker, Kubernetes, Maven, Kafka (Confluent Cloud), Rest APIs, and PostgreSQL with integration to Datadog, Vault, AWS (S3, IAM, ELK), Snyk, and Salesforce in a CI/CD platform.
- Lead software implementation design with business stakeholders, product owners, architects, and engineering management. Participated in breakdown of Product Roadmap into Features and Stories, and coached engineers in technical upskilling.

MAJOR PROJECTS

- Value-Based Bidding – Refactored application to support enhanced marketing conversion analytics between internal and vendor APIs. Utilized a PostgreSQL database, Vault, AWS, and Spring Framework to manage multiple scheduled workflows.
- Marketing Opt-Out – Drove implementation of new microservice to support marketing opt-outs with data from multiple Kafka, API, and S3 sources, resulting in client preference updates meeting business and legal requirements.
- Marketing Leads – Lead design of escalated project to integrate marketing leads support with new appointment scheduling interface. Worked with other engineering teams to integrate Kafka data streams and update MongoDB data entries.

SPROUT SOCIAL

REMOTE

SENIOR SOFTWARE ENGINEER

JAN 2022 – MAR 2023

- Back-end engineer for SaaS social media management application, developing application-wide tools and workflows.
- Handled notification delivery to users via email, phone, in-app, etc. as well as managing in-app team conversation tools.
- Developed microservices using Java 11, Java 17, Dropwizard Framework, Maven, MySQL, Kubernetes, Redis, NSQ, JUnit4, JUnit5, and Python. Integrated with AWS (CloudWatch, ELK, SES), Datadog, Sentry, and Mandrill Mailchimp.

MAJOR PROJECTS

- Configurations Cache – Identified the need for a Redis cache to store configuration data and executed development. Upon completion, service request speed improved significantly – p50 by 300%, p75 by 200%, and p99 by 25%.
- High Availability – Introduced multiple sets of worker threadpools and delivery queues within a microservice so that incoming requests could be responded to promptly, without waiting on third-party notification integrations.
- JDK17 and JUnit5 Upgrade – Drove microservice upgrade to move from JDK11 to JDK17, managing dependency upgrades and retirement as needed. Continued by upgrading services from JUnit4 to JUnit5 framework for unit tests.

JPMORGAN CHASE & CO. | CIB, MERCHANT SERVICES, HELIX PROJECT

CHICAGO, IL & REMOTE

SENIOR SOFTWARE ENGINEER

FEB 2021 - NOV 2021

ASSOCIATE SOFTWARE ENGINEER

NOV 2019 - JAN 2021

- Back-end engineer for new high throughput payment processing system, Helix, specializing in transaction funding.
- Developed microservices using Java 8, Spring Framework, Maven, Reactive Java, Cassandra (NoSQL), Cloud Foundry, Kafka, Cucumber, Mockito, Swagger (Rest APIs), IntelliJ, and integrating with AWS IAM roles and S3 storage.

MAJOR PROJECTS

- Service Fees Engine – Lead the architectural design for asynchronously processing transactions and applying applicable service fees. Then lead implementation of the design in Reactive Java and interfacing with Kafka and Cassandra.
- Advanced Fees – Took over a project behind-schedule tasked with adding minimum fees and ranged fees. Updated database architecture and refactored the core engine, bringing the project back on schedule and delivered on time.
- Funding Adjustments – Built new features allowing asynchronous movement of funds between merchant and virtual accounts. Communicated feature deliverables with product owners and integrated functionality with other teams.

EPIC SYSTEMS

VERONA, WI

SOFTWARE DEVELOPER

JUL 2014 - APR 2019

- Full-stack developer for the oncology application, specializing in core chemotherapy treatment, advanced dosing, cancer staging, research billing, and user-interface design across treatment tools and clinical workflows.
- Lead developer of multiple major software initiatives utilizing Visual Basic 6, Caché, XML, CSS, and Chronicles (NoSQL).
- User Experience liaison for department, responsible for communicating the latest user interface, internationalization, and accessibility standards to department engineers, as well as confirming the standards were upheld across software updates.
- Lead coordinator for customer on-site visits, developer education events, and new hire onboarding and mentorship.

MAJOR PROJECTS

- Multi-Line Sigs – Updated automatic chemotherapy dose calculations engine to support new functionality allowing doses to taper, ramp, or alternate. Required extensive changes to data structures, updated UI elements, and cross-team integration.
- Oral Chemotherapy – Designed workflow architecture and user interface to support expandable chemotherapy orders allowing clinicians to set dose-specific oral medication most closely matching prescribed treatment dose calculations.
- AUC Dosing for SOGI Patients – Introduced sex coefficient to chemotherapy formulas, and overhauled system warnings and dosing guardrails to improve patient safety. Consulted regularly with pharmacists, clinicians, and legal representatives.
- Research Charging – Streamlined automatic billing behavior for research coordinator workflows, coordinating closely with research and billing teams to update archaic Caché code controlling financial processes.
- Cancer Staging – Overhauled cancer staging forms to support AJCC 8th Edition release, developed a web service for data exporting to third-party applications, and worked with international customers to meet government regulations.
- Treatment UI Remodel – Restructured core chemotherapy treatment tools to meet company-wide user interface redesign, ensuring newly issued accessibility and internationalization requirements were met on all team-owned client-facing pages.

GARMIN

OLATHE, KS

SOFTWARE ENGINEER INTERN

SUMMERS 2012 & 2013

- Interned with the Automotive OEM team, utilizing C++ software to update the log hardware communication to SQL database.
- Then interned with the Connected Services team, using Java 8 with Spring Framework and Maven, XML, Bash and integrating with Google Protocol Buffers to design a client application for communication error detection and filtering.
- Organized cross-company software engineer intern outings in promotion of technical and social growth city-wide.

INTERESTS - reading, sewing, baking, music, gardening, interior design, volunteering, coffee, video games, robotics, drawing