

MICKAEL FEDIRKO

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SKILLS

- **Core Skills:** Java, Spring, SQL, Debugging, Code Refactoring, Code Review, Code Optimization
- **Additional Skills:** Java, Spring Boot, Spring Framework, J2EE, Hibernate, JUnit, BASH, SQL, TypeScript, JavaScript, React, Angular, Bootstrap, jQuery, Nest.js, CSS, SCSS

PROFESSIONAL EXPERIENCE

Software Engineer

Jan 2023 – Present

Capital One

Chicago, IL

- Improved performance of API calls by 90% via optimization of AWS Lambda and Java configurations.
- Led design and project planning as tech lead, releasing the first MVP of the product to customers.
- Refactored orchestration-based system to use async events instead of sync API calls, thereby mitigating bottlenecks to durability and scalability.
- Extended backend-for-frontend (BFF) to implement authorization for GraphQL requests using Nest.js middleware, resulting in improved security.
- Built shared Maven library for reusable Java code such as security filters, thus reducing technical debt.
- Developed a Github-style text diff component within Angular frontend, well-received by customers.
- Mentored junior developers on best practices, architecture, testing and refactoring, thus enhancing their self-sufficiency.

Software Engineer II

Oct 2021 – Jan 2023

Peapod Digital Labs

Chicago, IL

- Redesigned order billing batch job as microservice listening to Kafka, resulting in improved flexibility, maintainability, observability, resiliency and scalability.
- Refactored large Spring Framework and Mybatis applications to decouple from legacy database.
- Created adapters within legacy Java systems for Salesforce integration, thus facilitating the timely launch of the Salesforce CRM migration to internal customers.

Software Engineer

Aug 2020 – Oct 2021

JP Morgan Chase

Chicago, IL

- Designed performant backend for complex grouping and sorting on financial data, thus aiding the timely launch of the feature to customers.
- Constructed Spring Boot starters and custom Jenkins pipelines to decouple the team from the enterprise pipeline, reduce duplication and enhance cohesion.
- Extracted microfrontend from a React.js single-page application to be embedded into a larger app, allowing for consolidated user experience.

Production Support Analyst II / Site Reliability Engineer

Aug 2017 – Aug 2020

JP Morgan Chase

Chicago, IL

- Root-caused defects in large-scale payment system using Splunk Logs, Java source code, SQL queries and server logs.
- Built utility for troubleshooting payment processing flows using Spring Boot and React, reducing incident resolution time.
- Engineered full-text search of requirement documents using Apache Lucene and Spring Boot, saving hours weekly of manual effort.
- Automated daily health checks of payment system, saving hours weekly of manual effort.

CERTIFICATIONS

AWS Certified Solutions Architect - Associate

Sep 2023

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science, Physics

GPA: 3.8

May 2017

Urbana, IL