

PROFESSIONAL EXPERIENCE

Sr. Software Engineer	Veracode	January 2022 - Present
<ul style="list-style-type: none">• Developed and maintained the frontend and backend services that customers use to scan their code for vulnerabilities.• Fixed critical customer issues by implementing bug fixes, providing detailed explanations, and optimizing our platform. Leading to higher customer retention.• Led development to enhance encryption services enabling customers to have more control over their encrypted data stored within the Veracode platform.• Implemented Redis caching for multiple expensive database queries greatly reducing the load on our database.		
Consultant	Object Partners / Improving	March 2021 - January 2022
Pearson Education		
<ul style="list-style-type: none">• Implemented new look and feel for media player used in online exams.• Architected and developed several backend services used to deliver online exams in test centers that do not have consistent internet connection.		
Sr. Software Engineer	UnitedHealth Group	January 2020 - March 2021
UHG Research and Development, Individual Health Record		
<ul style="list-style-type: none">• Architected and implemented a redesign of an internal rules engine from Java to C++.• Created and maintained a reusable Jenkins CI/CD pipeline for C++ projects used across the entire team.• Deployed, maintained, and actively monitored Kubernetes containers for multiple applications.		
Software Engineer	Optum	June 2018 - January 2020
OptumHealth Technology, Behavioral Health		
<ul style="list-style-type: none">• Reduced deployment time by converting monolithic APIs into several micro-service APIs.• Improved deployment process by implementing Jenkins Pipeline as Code drastically lowering the learning curve for deploying applications.• Designed and Implemented several services/applications from backend REST APIs and batch jobs to front facing admin tools.• Led culture shift to implement company best practices for every layer in our technology stack.• Created Splunk dashboard for monitoring success rate of APIs.		
Tech Dev Prgm Sr Assoc	Optum	January 2018 – June 2018
OptumHealth Technology, Behavioral Health		
<ul style="list-style-type: none">• Modernized legacy Spring APIs into Spring Boot APIs built on top of Spring Cloud Netflix.• Individually increased unit test coverage from 5% to 50%.• Piloted the adoption of cypress.io for end-to-end testing.		
Tech Dev Prgm Sr Assoc	Optum	June 2017 – December 2017
Prior Authorization Source of Truth Web App		
<ul style="list-style-type: none">• Developed user interface using JavaScript, HTML, CSS on top of a content management system.• Developed back end APIs with ASP.NET Core accessing Microsoft SQL Server databases.		

TECHNICAL SKILLS

- **Languages:** Java, C/C++, JavaScript/TypeScript, HTML/CSS, SQL, Bash, Python
- **Frameworks and Libraries:** Spring/Spring Boot, Spring Cloud Netflix, React, React Native, Node.js, Next.js, Apollo Client, Apollo Server, Expo, Expo Router
- **Tools:** Docker, Kubernetes, Kafka, Jenkins, Redis, Git, GraphQL, Splunk, IntelliJ IDEA
- **Databases:** PostgreSQL, Oracle, MongoDB, MySQL, Microsoft SQL Server
- **Operating Systems:** macOS, Linux, Unix

EDUCATION

Duluth, MN	University of Minnesota	Fall 2013 – May 2017
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- B.S. in Computer Science. GPA: 3.7/4.0
- B.S. in Mathematics. GPA: 3.8/4.0
- Cum Laude