



James Fellman

Software Engineer

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Seasoned Software Engineer with over 5 years of programming, architecture, and team-leading experience. Adept at serving multiple roles from individual contributor to technical lead. Experience in multiple project types ranging from frontend, backend, database, and cloud-native. Constantly striving to improve and produce high-quality solutions that have a positive impact and deliver value.

Experience

Software Engineer I&II, Tech Lead Sep 2018 - Current
Medtronic Care Management Services | Chanhassen, MN

- Co-tech lead and architect of an AWS-native remote patient monitoring platform built to utilize auto-scaling capabilities with Angular-based front-end, containerized microservice backend, and AWS service dataflows via infrastructure-as-code using AWS CDK.
- Created a cloud-hosted, scalable microservice-based backend architecture and rules engine that processes biometric data and screens patients for medical conditions/concerns to drive clinical alerting.
- Developed backend platform and admin portals for a HIPAA compliant Android application for remote patient monitoring, utilizing NiFi/Kafka to orchestrate Node.js and C# microservices hosted in AWS ec2.
- Technical/engineering mentor for 2021 summer internship program.

Software Engineering Consultant Sep 2017 - Sep 2018
Genesis10 (Consultant At Medtronic) | Chanhassen, MN

- Worked on Technology & Innovation team that created the first generation out of AWS-hosted microservices for the organization.
- Built NiFi and Kafka flows to orchestrate data processing between legacy systems and modernized AWS-hosted microservice layer.
- Served as a software engineer on projects utilizing Node.js/MongoDB microservices, refactored legacy C#/.NET code.
- Built Jenkins and Docker-based CI/CD pipelines for existing code repositories.

Associate Software Consultant May 2016 - July 2018
Fishbowl Solutions | Minneapolis, MN

- Provided production and customer support for Java based customized Oracle WebCenter plugins and admin portal.
- Triaged production issues and debugged legacy Java product code bases.

Education

Bachelor's: Computer Science Aug 2012 - May 2016
St John's University - Collegeville, MN
Minor in Communications

Skills

AWS- CDK, Lambda, API Gateway, SNS, SQS, Fargate, EC2, SSM, S3, CloudWatch, CloudFormation, CodeBuild

Languages & Technologies- Node.js, Typescript, Angular, C#, ASP.NET, .NET Core, HTML, Java, NiFi, Kafka, Git, GitLab, Jenkins, NPM, Octopus, HL7 FHIR, Docker

Data Stores- MSSQL, MongoDB, Dynamo, Postgres, MySQL

Platforms- Windows, Linux

Organization- Cross Functional Teams, Agile Development & Scrum, Team leading, Team Building

References

Jeff Naslund

Engineering Director, CommonSpirit Health

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Anoop Pathak

Principle Software Engineer, Medtronic

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