

# Lance Newman

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## Skills

- Ruby on Rails
- Java
- Typescript
- AWS
- React

## Work History

### Amazon (2022-Present)

- Created a system within Amazon One Medical's electronic health record (EHR) to model preventative care screening results and automatically create future screening reminders for >3M patients.
- Implemented an internal role-based access controls system for >3000 employees to protect patient health information.
- Responsible for the design and implementation of prescription ordering APIs that integrate third party pharmaceutical manufacturers with Amazon Pharmacy and process >100k prescriptions daily.
- Implemented a system to track millions of dollars of customer reimbursements in Amazon's accounting network for the launch of brand-name medication discounts.

### Software Engineer, IBM (2018-2022)

- Implemented an application observability agent for IBM Z/OS that integrated with application performance management solutions provided by AppDynamics and IBM Instana.
- Improved transaction observability processing throughput by nearly 230% by converting a monolithic, single-platform application into a set of scalable microservices deployed in Kubernetes and OpenShift.
- Facilitated quarterly planning events for 150+ engineers, designers, and product managers as our organization's SAFe Release Train Engineer.
- Enabled adoption of the OpenTelemetry standard for application observability on IBM Z.

## Education

Computer Science, BSc

Florida State University 2018

Geology, BSc

Florida State University 2016