



About Me

Hey there! 🙋 Zender here - a name that becomes my default because 'Nathan' seems to be as common as poorly named AWS services.

I'm a seasoned full-stack developer, well-versed in backend development and the creation of various mobile applications. Lately I have focused more on DevOps and security engineering and how to use those tools and practices to build secure platforms and solutions for businesses. But what drives me is leveraging these skills to create secure, innovative solutions for businesses, driven by the challenge of solving complex problems.

Work Experience

Senior Software/DevSecOps Engineer @ Vivodyne

February 2024 - Present

Responsible for designing and scaling secure cloud infrastructure and software systems that power Vivodyne's high-throughput human tissue platform. Work spans DevOps and application development, enabling services for robotic tissue cultivation, experiment scheduling, and real-time data capture. Emphasis on infrastructure as code, automation, and security best practices to ensure reliable, scalable, and compliant platform growth.

Senior DevSecOps/Security Engineer @ Resilience

September 2021 - February 2024

Built foundational platforms and tooling, security and infrastructure related, necessary to facilitate Bio-Manufacturing processes utilizing AWS cloud and associated tooling. Leveraged Zscaler, AWS CDK/Pulumi IAC, Gitlab pipelines/Github Actions and SSDLC (Secure Software Development LifeCycle) to deliver solutions with velocity and rigor in a GxP regulated environment.

Senior DevSecOps @ Cardinal Health

January 2021 - September 2021

Built a platform utilizing Spring Boot, Angular and Concourse CI that allowed all Cardinal Health developers to start delivering business value in 15 minutes with a few button clicks and baked all security, best practice and Cardinal Health standards in.

Senior Developer/Tech Lead @ Fuse (Cardinal Health)

June 2017 - January 2021

Planned, designed and developed the migration of a legacy monolith application used to provide a Medication Therapy Management platform for pharmacies over to a Spring Boot microservice backend, a React/Ember.js frontend architecture and SQL Server/Postgres DB. Utilized Kafka to migrate data from the monolith to the new microservices.

Lead Application Developer @ DelphicDb

April 2015 - June 2017

Developed an analytics focused distributed database that allowed for real time sampling and dynamic cube generation. Built on top of Java/Scala, Akka, PostgreSQL. With pluggable data interface to allow for Spark, PostgreSQL, Phoenix Hbase and other backends.

App Developer @ Mobile Security Worldwide

Jan 2012 - Oct 2018

Built iOS/Android apps that focused on personal security and helped others find you or get you help when you felt you were in danger.

Senior App/Web Developer @ iQ Innovations

Feb 2011 - April 2015

Developed a full online education platform including a learning management system where students and teachers interacted, took assessments and viewed content. Included a content management system to support vendor content to be bought by schools and used in the learning management system. Provided technical leadership to a team of around 20 developers.

Java App Developer @ JP Morgan Chase

Sep 2010 - Feb 2011

Developed web services and maintained/added new features to an internal administration tool for the Chase Quick Deposit application.

Senior Developer IT Apps @ Nationwide Insurance

June 2007 - Sep 2010

Worked on a web application that provided a way to have an investment administrator manage accounts. Rewrote a major portion of the system using all new backend and frontend frameworks and technologies. Created a new retirement estimation tool using Adobe Flex.

Skills

Cloud & DevOps

[AWS](#) (Multi-Account organization setup, IAM, RDS, CloudFormation, CloudWatch, ECS, EC2, Athena, Glue, CloudTrail, Landing Zone Accelerator), [Infrastructure as Code](#) (CDK, Pulumi, CloudFormation), [CI/CD](#) (GitHub Actions, GitLab, Concourse)

Security

[SAST](#), [SCA](#), [CSPM](#)(Snyk, Github Advanced Security, AWS Security Hub/Config), [Security Automation](#), [Zero Trust Platforms](#) (Zscaler, Tailscale)

Programming

Python, Go, Java, JavaScript/Node.js

Web

Flask, Spring Boot, React

Data

Postgres, Kafka

Mobile

iOS/Android, React Native

Open Source

Nancy

Core contributor to GoLang related security vulnerability scanner.

Micronaut

Contributor to core library to support Micronaut-Acme as well as just making things better in the core library.

Micronaut-Acme

Core maintainer of this repository. Adds ACME (Automatic Certificate Management Environment) support to the Micronaut framework. Allowing for automatic ordering, installation and renewal of certificates.

Mobile Apps

Timmayfest

Comprehensive event details, GPS navigation, social media integration, and selfie challenge for prizes.

Seloc Tech Wiki

Offline Android app for accessing and searching technical wiki resources.

imSafe

Cross-platform app for personal security, connecting users to a monitoring agency with GPS and two-way voice.

Education

Devry University

BACHELOR OF COMPUTER ENGINEERING TECHNOLOGY (Columbus, OH), 2004 – 2007