

# Perry Robinson

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## Professional Summary

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Versatile software engineer with 5 years in software development and 4 years in mechanical engineering. Skilled in Java, Python, and JavaScript, with a history of leading successful projects. Passionate about continuous learning and using a unique engineering background to tackle complex problems. Skilled in **Java, Python, JavaScript, Git, RDBMS, NoSQL, Docker, and AWS**.

## Experience

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### Software Engineering Consultant

09/2021 - Present

Solution Design Group | Remote, US

- Led team of seven remote developers through performance improvement actions and Java 8 to 17 upgrade on B2B web application with annual revenue of \$7B, leading to 30% improvement in response times.
- Represented client's architect and partnered with PwC consultants to modernize 20-year-old sales tools using Salesforce. Led enhancements to catalog search, promotions, and order status microservices, implementing advanced filtering and seamless integration.
- Integrated synthetic tests/monitoring using Elastic, enabling more precise tracking of user workflows and enhancing ability to identify and address performance bottlenecks as experienced by users.
- Migrated legacy monolith application to new Content Management Platform, reducing PDF retrieval times by 90%.
- Designed and implemented a patient home delivery module for the client's modern web application. Built responsive front end using React, enhancing user experience and contributing to 15% increase in home delivery orders.

### Software Engineer II

07/2020 - 09/2021

Mednet | Remote, US

- Sole Mednet API/ETL developer, the Mednet API was customer facing Java/Spring Boot service and ETL was a custom pipeline utilizing AWS Lambdas, SQS, Postgres, MongoDB.
- Investigated and resolved critical response time issues related to MongoDB queries, which had become a barrier to securing our largest client. Implemented compound indexes to reduce average response times from 1250ms to 48ms, optimizing query speed without impacting customers, and contributing to successful client acquisition.
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations, resulting in more robust and scalable systems.
- Orchestrated efficient large-scale software deployments, including testing features and correcting code.

### Engineer II

05/2017 - 07/2020

Boston Scientific | Maple Grove, MN, US

- Researched, designed, and implemented scalable applications for information identification, extraction, analysis, retrieval, and indexing.
- Tested troubleshooting methods, devised innovative solutions, and documented resolutions for inclusion in the knowledge base for support team use.
- Designed and developed several applications using Python/Flask/AWS, varying from data visualization tools and custom laboratory inventory management apps.

### Engineer

05/2015 - 05/2017

Caribou Technologies (now Resonetics) | Blaine, MN, US

- Increased throughput on custom machines that utilized servo motors/linear actuators using motion controllers and smart coding in GalilSuite and C++.
- Partnered with R&D to develop a variety of solutions, including prototype runs that meet quality standards, and constructing well-controlled processes capable of high volume.

## Education

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**Minnesota State University, Mankato** | Bachelor of Science in Mechanical Engineering

Graduated 05/2015

**Amazon Web Services (AWS)** | Solutions Architect - Associate [8NDHRTCL5EB419KJ](#)

Earned 12/2023