



Brendan McSweeney

Greater Portland Maine Area

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github.com/bmcswee

SUMMARY

Diverse and deeply-rooted experience with a focus on architecting and developing large-scale enterprise Java applications.

HIGHLIGHTS

- Experience with numerous programming languages including primarily Java, Kotlin, and TypeScript.
- Experience with cloud providers and CI/CD platforms including primarily AWS, Azure, Github, and Gitlab.
- Avid Linux user for both professional and personal purposes.

PERSONAL PROJECTS (AVAILABLE ON GITHUB)

- Created a machine learning model for predicting vehicle details from VIN, beginning all the way from scraping my own data.
- Wrote and implemented a basic 8-bit CPU (8086-like) on an FPGA board using Verilog.

EXPERIENCE

Note: Chronological gaps were filled with independent contract-based work and/or education.

Staff Software Engineer, BILL

Remote — March 2023 - Present

Led team to modernize, harden, and scale the FP&A (financial planning and analysis) software offering as part of BILL's mega-scale financial operations platform.

Accomplishments

- Upgraded the entire FP&A platform from Spring Boot 2 to Spring Boot 3 using a mix of Kotlin and Java.
- Delivered and integrated an AI model for financial forecasting as a serverless AWS Lambda function.
- Made improvements to SQS implementation resulting in service-specific cost decreases of over 50% and greatly improving testability.
- Authored and implemented company-wide RFC for automating dependency updates in JVM software projects.

Senior Software Engineer, treXis

Remote — November 2021 - January 2023

Implemented modern microservice-based backend banking systems for small credit unions and banks using Java / Spring Boot and various cloud systems including AWS and Microsoft Azure using Kubernetes.

Accomplishments

- Implemented and extended backend banking systems as modern Java / Spring Boot microservices using ActiveMQ for message brokering.
- Created integrations with core banking platforms including FIS Fiserv, as well as various third-party banking services providers including Payveris and Payrails.
- Created and maintained CI/CD pipelines for microservices using Github Actions and Azure Devops.

Software Development Engineer 2, WEX

South Portland, Maine — May 2019 - November 2021

Ported legacy software to modern languages while maintaining all functionality at all points.

Accomplishments

- Took a leading role in porting legacy application from Spring Webflows to Angular 11 w/ Java Spring REST backend
- Created complete CI/CD system using Azure DevOps, allowing for rapid and efficient testing and deployment of code.
- Assisted in developing and managing enterprise architecture on Amazon Web Services (AWS) using Ansible.

Software Development Intern, WEX

South Portland, Maine — Summer 2018

Developed and implemented fixes and improvements for the WEX Online New Platform (WOLNP).

Accomplishments

- Implemented REST services in backend systems using Java with Spring framework.
- Implemented usability enhancements in frontend systems to make application friendly to disabled users, such as those using screen reading software.
- Participated in a fully Agile sprint-based development team with bimonthly release cycles.

Software Developer, Auto Europe

Portland, Maine — January 2015 - August 2017

Developed multiple software tools for use in the company's three worldwide call centers.

Accomplishments

- Lead development team for brand-new MEAN stack application using Angular2 for car rental bookings used 24/7 in company call centers worldwide.
- Successfully brought new call center software from blank-slate to deployment in under 18 months, fully replacing a 20 year old legacy system.
- Designed, deployed, and configured brand new production and development stacks for the company's first MEAN application on CentOS hosts.
- Additionally, designed and developed a system for managing the company's inventory of vehicle GPS units and integrating with FedEx using Java with Vaadin framework and Shippo API.

EDUCATION

University of Southern Maine

Portland, Maine

Bachelor of Science, Electrical Engineering with Computer Engineering Focus
2019

Cumulative GPA: 3.586