# Jared Black

## Backend Software Engineer

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## EDUCATION

*Bachelor of Science*
*Management Information Systems*
**Utah State University**
December 2019
GPA: 3.9

**Western Governors University**
April – September 2024
Computer science coursework in preparation for master's degree

## SKILLS

*Programming Languages*
Java, Python, TypeScript, JavaScript, SQL
*Frameworks & Libraries*
Spring, Django, React, Angular, Next.js
*Tools & Platforms*
Postgres, Kafka, Grafana, Azure Cloud, Argo

## PERSONAL PROJECTS

**Spark Reader – AI Book Narrator**
- Open-source raspberry pi project that uses image recognition to record and play back audio for any children's book

**AI Chatbot Builder**
- Web app for creating document-aware AI chatbots

**Finmako – Finance Tools Web App**
- Investment back-tester to analyze historical performance for any stock

**Sourdough – SaaS Starter Template**
- SaaS starter app with landing page, pricing, account management, subscriptions

## INTERESTS

Blue Belt in Brazilian Jiu Jitsu
Fluent in Spanish
Eagle Scout

## EXPERIENCE

**General Motors Company**
*Backend Engineer – Customer Digital Identity Platform*
November 2020 – Present | Austin, TX

- Develop and deploy scalable code across 18 mission-critical Java Spring microservices that handle millions of daily profile data and account management requests originating from 70+ client applications
- Conduct rigorous unit and integration testing using Junit, Mockito, and Cucumber to ensure early bug detection and produce quality software
- Configure and maintain build/release pipelines using Azure DevOps and GitHub
- Write Flyway migration SQL scripts to manage Postgres database changes
- Provide on-call production support and quickly resolve any issues that arise
- Led migration of 18 microservices from PCF to Azure Cloud
- Streamlined DevOps processes to reduce the risk of incidents during production releases
- Implemented Grafana dashboards and alerts to monitor staging and production environments
- Contributed to frontend features for the My Account platform using Angular and Typescript to create exceptional customer experiences

**Protiviti, Inc.**
*IT Consultant*
January 2020 – October 2020 | Salt Lake City, UT

- Identified IT risks for two Fortune 500 clients and collaborated to develop and implement mitigation strategies
- Passed ISACA Certified Information Systems Auditor exam

**Melaleuca, Inc.**
*Business Intelligence Intern*
May 2019 – August 2019 | Idaho Falls, ID

- Built real-time Power BI dashboard to enable efficient troubleshooting of critical monthly batch processes
- Created SQL stored procedures to automate 11 processes saving one hour of manual effort each week

**Jon M. Huntsman School of Business**
*Undergraduate Teaching Fellow – Big Data Analytics*
August 2018 – May 2019 | Logan, UT

- Taught regression analysis, neural networks, and other data science techniques to 42 students each semester