Andrew M Rocks

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WORK EXPERIENCE

Software Engineer (Consultant 2)   **Pariveda Solutions**   **2023 – Present**
Software Engineer (Consultant 1)   Chicago, IL   **2022 –2023**

- Consulted and developed software for clients in retail (40+ billion revenue) and travel (50+ billion in revenue)
- Architected AWS services for a go-to-market computer vision offering which was demoed to 3+ clients

Contact Center Agent App
- Architected and combined the results of multiple microservices to increase the number of flights viewable to contact center agents by over 250%, feature used by over 4,000 contact center agents
- *Utilized – C#, .NET, Typescript, Angular*

Warehouse Claims App
- Eliminated 30 second load time and increased claims processing rate by 175% by migrating business workflow to a React web app, led development during phase 2 and owned major feature development
- Automated the validation and processing of over $6.75 million worth of claims annually
- App selected to be shown to the office of the president due to on-time delivery and project success
- *Utilized – Typescript, React, C#, .NET, SQL Server*

Competitive Pricing App
- Built rules engine to automate the calculation of suggested retail prices for 17+ products
- Centralized 26 regional workflows into one app, resulting in 1000+ labor hours saved annually
- Improved batch retail processing, reducing price calculation duration by 91% and process memory usage by 58%
- *Utilized – C#, .NET, SQL Server, Typescript, React*

Technology Consultant Intern   **Deloitte Consulting**   **Summer 2021**
GovConnect Offering Team   Chicago, IL

- Streamlined DevSecOps processes for 5 dev teams and researched competitors for GovConnect product offering, then presented improvement recommendations to firm partners in solo presentation over an hour
- *Utilized – DevSecOps, Salesforce, PowerPoint*

Software Engineering Intern   **DICK's Sporting Goods**   **Summer 2020**
Appointment Scheduling Application   Pittsburgh, PA

- Developed the API for an appointment scheduling app, increasing use of services and revenue by over 100%
- *Utilized – Java, Spring Boot, MongoDB*

TECHNOLOGIES AND LANGUAGES

- Languages: C#, Typescript, Javascript, Python, Java, C, C++, HTML, CSS
- Technologies: .NET, React, AWS, Angular, Spring Boot, SQL (multiple versions), GraphQL, Tailwind CSS
- Other: API design, Object-Oriented Programming, Component-based UI design, UX design, Agile

EDUCATION

B.Sc. Computer Science, University of Notre Dame, GPA – 3.92   **2018 – 2022**
Business Minor, Magna Cum Laude Honors, Tau Beta Pi & Upsilon Pi Epsilon Honor Societies

PROJECTS/AWARDS

- **Swipe & Swing Mobile App**: Received 1st place award in class for designing a Tinder-Style mobile app for golfers
- *Utilized: Python, Flask, Typescript, React, React Native, Oracle SQL*
- **Tank Droid Project:** Received 1st place award in class for designing and building a fully functioning tank droid that could perform 3 routines autonomously with coordinated motion, sound, lighting, and theming
- *Utilized: C/Arduino, event-driven programming, Tinkercad (part design), 3D printing*