Sydney Micklas

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Full-stack developer with a variety of technology experience in collaborative environments seeking opportunities to learn and grow. Passionate about human-centric solutions.

Work Experience

Avanade • Detroit   *(August 2019 - Present)*
Software Engineering Analyst Consultant
- Worked with team to develop car insurance quoting application to replace legacy application
  - Implemented using Bootstrap & Angular front end, ASP.NET Core & Entity Framework Core back end
  - Participated in client-facing & client-centric discussions
  - Developed solution architecture diagrams
  - Worked aside UI/UX engineer to implement product according to guidelines
  - Implemented form functionality
  - Developed API to access Azure Machine Learning pricing predictions
- Participating in bi-weekly learning opportunities
- Contributing to internal blog research posts

Clipboard management app, "Super Clip"
- Configured AWS resources per app specification
- Developed and test Node.JS APIs (CRUD)

Soil information forum & resource list website
- Product developed to centralize information about soil health, soil professionals, and local vendors for the Oklahoma Conservation Commission
- Implemented using Ruby on Rails, Bootstrap, developed site UI/UX with Adobe Xd
- Live product produced with interdisciplinary team of 10 students
- Engaged in bi-weekly consultation with requirement elicitation of hosted client
- Deployed to cloud hosting service, Heroku
- CI/CD implemented through regular deliverables and automated testing builds - Travis CI

Social media Android app, "PupAlert"
- Worked with team of 3 students to develop Android app & companion web app
- Collaborated with developers using Scrum and Agile development processes
- Data stored with Firebase
- Contributed to design & layout of application
- Developed post information saving & uploading functionality
- Contributed to live stakeholder demonstrations at conclusion of sprints

Aurora Borealis predication site, "AuroraCast"
- Individual learning project to build base for Javascript & React knowledge
- Data obtained with Dark Sky API and scraping aurora data from NOAA
- Web application to create visual indication of aurora borealis visibility based on user's location, current cloud conditions, and Northern Light activity
- Re-factored with React

Arduino RGB wall art controlled with Android application, "DiaLights"
- Individual learning project to build upon Android development knowledge
- Panels controlled with Arduino nano and Bluetooth shield
- Developed Android application (Java) with minimalist design for user input communicated to Arduino through Bluetooth

Education

B.S
Michigan Technological University
Software Engineering
(09/2015 - 07/2019)

Skills

C/C++
Java
HTML
CSS
Javascript
SASS
mySQL
C#
Android
Ruby on Rails
Groovy
Agile/Scrum
CI/CD
Angular
Azure
DevOps
Node.js
AWS
React
Linux environment
Power BI

Certifications

AZ-203
Microsoft Azure Fundamentals
AZ-900
Developing Solutions for Microsoft Azure
PSM 1
Professional Scrum Master 1 (Scrum.org)