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PROFESSIONAL SKILLS

Java

Python

JavaScript

Node.JS

MVC

SQL

C/C++

PHP

C#/.NET

PERSONAL SKILLS

Critical Thinking

Time Management

Problem Solving

Oral & Written Communications

Agile Teamwork

RICHARD G. SMITH

SOFTWARE ENGINEER

PROJECTS

MEASURE AUTHORIZING TOOL (MAT)

- MAT is a web application that generates SQL scripts. It's made for medical professionals to upload and retrieve patient data without having to hire a developer to write the scripts for them.
- Implemented with Java and XML, SQL for backend, and uses the Google Web Toolkit (GWT) framework
- Model View Controller (MVC) architecture

STORM

- Mobile weather application created in Android Studio with Java. Uses HTTP requests to get weather data from darsky.net's API.

FLASHBANG

- Web app created in a team of four at Iowa State University. Flashbang is a flash-card study aid app that allows you to make and share cards with friends online.
- Implemented with Javascript, Node.JS, PHP. Mongo DB for backend.

WORK EXPERIENCE

LEAD IT SPECIALIST

IT Solution Center / Ames, IA / 2017-Present

- Provide technical knowledge to troubleshoot issues involving VDI, VPN, networking, Cisco phone administration, hardware, and password resets for students and faculty of Iowa State University.
- Train new employees about technical and communication skills.

INTERNSHIP

Nguyen Information Consulting / Des Moines, IA / Summer 2019

- Coded in an Agile environment with bi-weekly sprints involving implementation of new features and bug fixes for the MEASURE AUTHORIZING TOOL (MAT) Java web application.
- Held meetings everyday with the scrum team, we used Telligent Quickbuild, Jira, and BitBucket for team collaboration.

EDUCATION

IOWA STATE UNIVERISTY

Ames, IA / B.S. / Software Engineering

2016-Present

Campus IT