MATTHEW HWANG

Software Engineer

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(703) 309-2197
Centreville, VA
Citizenship: US Citizen

A dedicated and growth-driven Full Stack Developer with a Bachelor's degree in Computer Science and extensive experience in the IT industry. Proficient in a wide range of programming languages and cloud services, with a proven track record of delivering high-quality, scalable web applications. Experienced in Agile and Scrum development methodologies. Adept at utilizing diverse tech stacks to build robust solutions that drive business growth and operational efficiency.

EDUCATION HISTORY

BS in Computer Science   Aug 2016 - May 2020

VIRGINIA TECH, Blacksburg, VA

Relevant Coursework: Object Oriented Programming, Algorithms, Data Structures, Computer Organization, Databases, Software Engineering, Operating Systems, Fundamentals of Programming

HS Diploma

THOMAS JEFFERSON HS for SCIENCE and TECHNOLOGY, Annandale, VA   Aug 2012 - June 2016

WORK HISTORY

Software Engineer II   Dec 2021 - Sept 2023
FUNDRISE | Washington, DC/Remote

- Optimized application performance and scalability via the conversion of the conventional Dividend calculation service from a monolithic Spring service into distinct cloud enabled SpringBoot Event Driven microservices. Lowering process completion times by 50%.
- Automated email communications by developing a Java service that integrated with the Iterable API service, efficiently dispatching 300K+ dividend payment emails to Fundrise users each quarter.
- Championed the enhancement of the Backup Withholding domain within an essential Java Spring application, collaborating with Tax Accountants to develop features to rectify hundreds of personal identification information errors.
- Raised code quality and reliability through extensive Unit and Integration testing, coupled with thorough static code analysis, resulting in higher stability and maintainability.

Software Engineer   June 2020 - Dec 2021
COSTAR GROUP | Washington, DC

- Elevated user experience by designing, developing, and refining React Components and ExpressJS API endpoints for a high visibility full-stack web app, delivering Commercial Real Estate industry news to millions of CoStar users.
- Lowered API response times by 75% and improved page load times through the implementation of caching mechanisms for the News Central Repository ExpressJS API.
- Generated 200k+ email newsletters monthly by developing NodeJS services that utilized JS template engines and MySQL data, significantly amplifying CoStar's outreach efforts.

TECHNICAL SKILLS

- **VERSION CONTROL & COLLABORATION:** Git, GitHub, BitBucket, JIRA
- **DEVELOPMENT TOOLS:** VS Code, IntelliJ IDE, Postman, Docker (Containerization), NPM
- **CLOUD & DEPLOYMENT:** AWS (Lambda, S3, DynamoDB, RDS, ECS)
- **DATABASES:** SQL, MySQL, MySQL Workbench, JPA/Hibernate, MongoDB (NoSql), MongoDB Atlas
- **FRONTEND TECHNOLOGIES:** JavaScript/TypeScript, React, NextJS (Server Side Rendering), HTML, CSS/SASS, Tailwind CSS, Java Server Pages (JSP), Angular
- **BACKEND TECHNOLOGIES:** Java (Spring/Spring Boot), Python (Flask), NodeJS (ExpressJS), Web Service/REST API Development