Ruoyu(Rory) Zhuang

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Result driven, Java, .NET application developer with 2 years of experience in software development. Full stack mobile and web application developer. Had experience planning and managing software projects and delivering products to meet customers needs.

Work Experience

Software Developer/Project Coordinator

Endothelix, Inc; Houston, TX Summer 2017, 2018— current

- Developed and deployed a graphical medical instrument algorithm simulator and data processor with Java Spring MVC, Bootstrap, and JavaFX technology. Achieved 80% improvement of colleagues' research productivity.
- Managed and deployed a major application update and cloud management platform 2 months ahead of the schedule by successfully communicating with engineers and project managers from an oversea partner company.
- Co-authored two scientific research articles. Abstracts accepted by American Heart Association's Scientific Session.

Application Developer

Measurement & Evaluation Center, University of Houston; Houston, TX Dec 2016 - Dec 2018

- Processed 90,000 evaluation submissions every semester by maintaining .NET website and improving performance.
- System recovery from a major server hard drive failure by migrating from older MS SQL server database.
- Communicated with students and professors effectively to help solve technical issues and improve the application.

Recent Projects

VENDYS Vascular Function Testing Simulator
Implemented and deployed a graphic medical device algorithm simulator with JavaFX, and Gradle. Developed and deployed the data processor with Java Spring MVC, Maven, Bootstrap, and Heroku. Help researchers process thousands of data files in seconds.

Claystone MERN Stack Application
Developed and deployed a MERN (MongoDB, Express, React & Node.js) stack web application for a real estate company on Heroku and Amazon cloud. Perform automated testing with Jest and Cypress.

Transaction Processing Solution
Integrated a low cost credit card processing and Alipay REST APIs, with Node.js and PostgreSQL for Pinon web platform to help restaurants attract online customers.

Education

M.S in Electrical and Computer Engineering	University of Houston - Houston, TX 3.79/4.00	Dec 2018
B.S in Electrical Engineering, minor in Computer Science	Rose-Hulman Institute of Technology - Terre Haute, IN	Dec 2015

Technical Skills

Java (2 years), SQL (2 years), .NET & C# (1 year), REST API, Node.js, PostgreSQL, Matlab (1 year), Agile Development, C++, C, Python, MongoDB, HTML, CSS, React, AWS, IoT