Andrew Jones

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Objective

To create high-quality applications, products, and tools by creatively solving interesting and complex problems while continuing to develop my skills as a software engineer.

Experience

Cerner Corporation

Software Intern (May 2018 - August 2018)

Software Engineer (January 2019 - Present)

- Complete tasks, stories and epics in regular sprints under the agile methodology
- Design and develop client facing applications using React and Node.js, and build out the epics, stories, and tasks associated with that design
- Apply automated testing, continuous integration and continuous delivery to existing and new projects using a variety of testing and deployment tools
- Write T-SQL scripts that process data from a variety of source files and insert the processed data into tables
- Mentor new Software Engineer associates enrolled in the Dev Academy program to improve their hard and soft skills
- Train new engineers joining my team on how to follow our processes and on the technologies we used
- Participate in and post code reviews to improve code quality using in-person, Crucible, and Github

Specific Accomplishments

- Leading the design and development of a client facing application used to install data packages that leverages Node.js, React, and other technologies
- Independently designed, implemented and deployed a company-wide web application using C# and the framework ASP.NET Core
- Contributed to the modernization taskforce to automate processes using tools such as AWS and Java RESTful APIs
- Created improvements to my team's packaging process, including a web application to verify the necessary steps have been taken, flow charts and wikis to help follow the process, and others

Maverick Software Consulting

Software Consultant (August 2016 - May 2018)

- Program projects from the ground up as well as projects with a pre-existing codebase
- Write automated tests in JUnit for pre-existing codebases and for newly written code
- Plan projects with others by coordinating tasks and using services like SVN
- Communicate progress in daily scrum meetings with team members

Sailbot (The Autonomous Sailboat Project)

Electrical Team Lead (January 2017 - May 2018)

- Create an algorithm using Python to pilot an automated sailboat
- Delegate tasks to software developers to create an effective and efficient team
- Develop the embedded software used to interface with external hardware and read inputs from sensors
- Assist less-experienced developers in overcoming any current roadblocks
- Coordinate with other team leads to stay up to date on important project information
- Design and implement an algorithm to drive an entirely autonomous sailboat

Skills, Abilities & Projects

Currently in charge of design and development of a Web Application that leverages Javascript, React, Ruby, Rails and other technologies that will be used by clients to interact with Cerner data

Collaborated with a team of multiple engineering disciplines to create an automated sailboat, writing the algorithm using Python

Developed, and now upkeeping/maintaining, an automated system that automates our entire data processing lifecycle, leveraging Java, Javascript, AWS and other technologies

Experienced in the implementation of continuous integration and delivery (CI/CD) practices in new and existing projects

Regularly mentor new hires to teach them the technical process and improve their abilities through code reviews and regular one-on-ones

Proficient with many of the AWS Applications and integrating them with locally hosted Java applications through the use of REST APIs

Regularly containerize projects using Docker

Languages: Java, C, C++, C#, JavaScript, Python, Ruby, Kotlin, Swift, PHP, HTML, Transact-SQL, MySQL

Technologies: Windows, Linux, Chrome OS, Git, Jenkins, Jira, Crucible, Docker, Android Studio, Xcode, Arduino IDE, React, Node.js, .NET, AWS, Eclipse

Education

Iowa State University   Ames, IA
Bachelor of Science in Software Engineering, 2014 - 2018