TP

TYLER POOLE

FRONT END ENGINEER

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EDUCATION

POST-BACCALAUREATE COMPUTER SCIENCE • MAY 2019 • VIRGINIA COMMONWEALTH UNIVERSITY

B.S. MECHANICAL ENGINEERING • MAY 2016 • VIRGINIA COMMONWEALTH UNIVERSITY

TECHNICAL SKILLS

React • JavaScript • HTML • CSS • TypeScript • Python • AWS S3 • AWS Lambda • AWS CloudFormation • AWS CloudFront • AWS CloudWatch • AWS DynamoDB • AWS API Gateway • AWS ACM • AWS Route 53 • React Native • Angular • CI/CD • UX/UI • Shell Scripting

WORK EXPERIENCE

ASSOCIATE FRONT END ENGINEER, EAB GLOBAL, INC.

- Agile Software Engineering position with a strong focus on flexibility to work across an entire stack, automation where possible, and delivering a shippable product iteratively.

- Generate value for the business via the creation and hosting of web based applications with the use of a server-less architecture provided via Amazon Web Services.

- Provide DevOps streamlining and support through the use of CloudFormation templates and CI/CD Pipelines to help automate the creation and deployment process of an API stack spanning many technologies including S3, API Gateway, DynamoDB, and Lambda.

- Provide a front-end web based application written and maintained in React and Typescript and hosted on an Amazon S3 bucket in an effort to go completely server-less.

- Provide back-end support where necessary, leveraging the use of Python and the various libraries it brings in conjunction with the libraries provided by Amazon to interact with AWS to build a REST API capable of sending, receiving, and securing potentially sensitive data.

- Analyze CloudWatch logs to troubleshoot and debug any exceptions caught in the API.

- Practice test-driven development with the use of Jest, Enzyme, and Pytest to ensure a high quality, highly tested, maintainable code base before passing testing off to QA.

SOFTWARE DEVELOPMENT INTERN, PIETECH, INC.

- Full-stack web application development position.

- Utilized .NET Core runtime, supported by libraries provided by ASP.NET Core to construct a REST API to transfer data between the back and front ends.

- Constructed client-facing front end and ensured an intuitive UX/UI using TypeScript, HTML, CSS, and various node packages, supported by an Aurelia framework.

CAD OPERATOR, JOHNSON CONTROLS INTERNATIONAL

- Designed fire alarm systems following NFPA standards.

- Performed necessary battery and voltage drop calculations.

- Worked with a team of designers spanning the globe on multimillion dollar projects.