**Christopher Polito**

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I'm a full stack software engineer with experience in many languages and frameworks. I use React on the frontend and AWS services on the backend. I maintain several sites, projects, and games listed below.

I have excellent communication skills both verbal and written, I can work independently and in small and large team settings.

**Summary**

* 10+ years of experience in the IT industry
* 10+ years of experience with html and css
* 10+ years of experience with Javacscript
* 7+ years of experience with reactJS
* 7+ years of experience with nodeJS
* 7+ years of experience with rest apis
* 10+ years of experience with git
* 5+ years of experience with aws

**Skills**

* Javascript, Typescript, Python, Java, Html, css, sass
* ReactJS NodeJS Git
* Mobile Web Responsive Design
* UI/UX
* OOP Python Java
* AWS cdk, Api Gateway, Cloudfront, Lambda, S3, DynamoDB, SQS, SNS
* Machine Learning, evolutionary algorithms, neural networks
* site hosting, domain registration, DNS configuration
* technical writing
* math physics engineering

**Education**

Penn State University

Bachelors of Science in Aerospace Engineering

Master’s of Science in Aerospace Engineering

George Mason University

Graduate Certificate in Systems Engineering Analysis and Architecture

(also took courses in Java in my own time, outside of the certificate program)

**College Board** February 2020 - present

*Full Stack Software Engineer*

* Enterprise application development in large team setting
* React front end, es6
* Accessibility development
* Complete feature and bug tickets within sprint timeline
* Interface with POs to manage and plan future and current work to produce desired product
* Interface with QA team to test ticket functionality
* Write unit tests
* AWS infrastructure, cdk, Lambda, DynamoDB, S3, AppSync, SQS, SNS

**Methods with Class**  July 2013 – Jan 2020

*Independent Contractor (Owner, Developer)*

These projects are my portfolio.

**Evolve**

* Artificial Intelligence evolutionary programming genetic algorithm (GA)
* Teaches a virtual robot to pick up trash in real time evolution of solution
* React frontend
* AWS infrastructure, Api Gateway Websockets, Lambda, DynamoDB, Cloudfront, S3
* <https://evolution.methodswithclass.com>

**Gravity**

* Wrote accelerometer engine that numerically integrates device acceleration into position
* Angular front end
* Node server, express

**Blog site**

* React frontend, AWS infrastructure on backend
* Api Gateway, Cloudfront, DynamoDb, S3
* [https://www.unnecessarytheories.com](https://www.unnecessarytheories.com/)

**Methods with Class (company site)**

* React frontend, AWS infrastructure on backend
* Cloudfront, S3
* <https://www.methodswithclass.com>

**Five9 Group** September 2017 – December 2017

*developer*

* Developed frontend management application for census application.
* Utilized mapping libraries and tables. UI elements such as radio buttons, checkboxes, drop downs, etc.
* Worked with Backend engineers to manage data between backend endpoints and service calls from frontend application.
* Utilized Angular4 framework for frontend application as demo for contract proposal work.

**Secure Innovations** May 2017 – Aug 2017

*developer*

* Maintained proprietary network security application sold as a customer product according to internal issue tickets, client requirements, and software improvements.
* Utilized Agile methodology development environment managed by Atlassian Jira management software.
* Developed application solutions with new features and bug fixes.
* Developed Angular2/Angular4 frontend application with Angular CLI and TypeScript. Interfaced with backend Python developers.
* Developed application that utilizes SSL Certificates, HTTPS protocols, and other security techniques.
* Developed and maintained UI/UX design with HTML5/Bootstrap CSS/SASS.
* Documented application setup procedures and other application information with Atlassian Confluence blog tools.
* Utilized CI/CD Git version-controlled deployment pipeline managed by GitLab

**Dev Technology Group** July 2016 - May 2017

*developer*

* Developed Frontend web applications and UI components to meet client requirements and specifications.
* Built web applications in JavaScript using Angular1, Angular2, and React modular frameworks. Interfaced with and developed NodeJS back-end with RESTful APIs, services, and endpoints.
* Practiced Agile methodology development. Implemented MVC software architecture.
* Built application with Angular-CLI, Grunt, Gulp, and Webpack build packages.
* Developed and maintained UI/UX design with Bootstrap css/sass.
* Wrote algorithms and sub-software packages as needed, using industry standard data structures.
* Developed class hierarchies, inheritances, separation of concerns, and DRY.
* Utilized CI/CD Git version-controlled deployment pipeline managed by AWS CodeCommit and GitLab

**Cybermedia Technologies** October 2012 - February 2015

*developer*

* Developed software with JavaScript, HTML, CSS, PHP, ActionScript and Word Macros as needed to support multiple contracts.
* Developed Object-Oriented software to manage interactive elements of online course packages.
* Developed Word Macro that processed 150-page Word documents and eliminated dozens of man-hours of manual editing.
* Developed full stack application for issue tracking web service: JavaScript/HTML/CSS frontend.
* Developed backend application with PHP to manipulate MYSQL database.
* Wrote PHP scripts using SQL queries to allow database entries to be exposed to frontend.
* Developed OOP software package to support Flash element in Online Course.
* Provided direct algorithms, data structures, object-oriented software with less reliance on indirect assistive component frameworks.
* 508 compliancy.