



CAMERON PASCAL

SOFTWARE ENGINEER

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<https://github.com/cameronmaxwell>

PROFILE

An Innovative full-stack software engineer with three years of professional hands-on experience with using modern techniques to develop and deliver software. Experienced in full-stack web development and a passionate and independent self-learner, who is continuously seeking out the cutting edge of technology and best practices.

TECHNICAL HIGHLIGHTS

Development	Tooling	Data
TypeScript, JavaScript, C#, SQL, C, and Java Angular 2+, CSS3, HTML5, jQuery Express, Rxjs ASP.NET, ASP.NET Core	Webpack NPM Git Visual Studio	MSSQL PostgreSQL RESTful API design, implementation, and security Relational database design and normalization

EXPERIENCE

Associate Software Developer – Infragistics

5/2016 – 12/2017 | Cranbury, NJ

- Worked full stack on ReportPlus Web, a web application using C#, TypeScript, Webpack, ASP.NET, and Angular 4.
- Worked extensively with the rxjs reactive programming library.
- Wrote unit and integrations tests.
- Researched token based single-sign-on (SSO), and delivered a JSON Web Token (JWT) based prototype that was integrated into ReportPlus by the product architect.
- Implemented and maintained RESTful API endpoints, as well as using Angular's AJAX features to integrate endpoints client-side.
- Implemented a server-side, high throughput, and RFC 4180 compliant CSV conversion system in C# to convert internal tabular data to CSV and distribute it to end-users.
- Worked with a UX architect to design and implement a data export feature consisting of 10+ Angular components and many API endpoint integrations.

Associate Software Developer Intern – Infragistics

Summer 2013, Summer 2014, & 4/2015 – 5/2016 | Cranbury, NJ

- Participated in three separate internships performing various roles in both product development and consulting services.
- Part of a two-person team who designed and built an Android application that showcased Infragistics visualization controls and source-code examples to customers.
- Worked with a UX architect to design, implement, and deliver an internal database-connected (EF, MSSQL) desktop application (WPF) to allow sales executives to generate statement-of-work documents for client projects.
- Handed over QA/testing responsibilities and process knowledge to a newly hired senior QA engineer by developing documentation and providing hands-on training.
- Performed mission-critical testing and bug-fixing on showcase applications demonstrated by executives at Microsoft's Build 2013 conference.

PROJECTS

philly-crime-context

- Worked on a three-person team to rapidly design and implement a web application to display and aggregate Philadelphia crime data by fusing publically available weather, geographic, demographic, economic data, and crime data to create a tool that users can use to find correlations.
- Utilized PostgreSQL, Node.js, and Express to develop a backend API to serve data to a front-end single-page JQuery application.
- Designed a normalized database schema to store, query, and clean over a gigabyte of data.
- Created a continuous integration and deployment workflow using Heroku to publically deliver philly-crime-context.

EDUCATION

Bachelors, Computer Science – Rutgers, The State University of New Jersey

2017 | New Brunswick, NJ

Studied AI, algorithms, data structures, databases, and distributed systems.

ACHIEVEMENTS & LEADERSHIP

Treasurer – BA Chapter ZBT Fraternity

Managed the finances of a 70+ member organization. Oversaw revenues of nearly \$400,000 a year, while sitting on the executive board.

Eagle Scout – Boy Scouts of America

Successfully planned, managed, designed, and documented the construction of a public fitness area to achieve the rank of Eagle Scout.