





**Zach
Marschik
Front-End
Developer**

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**Personal
Statement**

I am an entry-level Front-End Developer with a strong GIS background. I began learning JavaScript in order to expand on what I could accomplish with GIS. Along the way, I realized I was passionate about coding, and that my future lied in development. I am very strong at critical thinking and logical structure, and I learn very quickly. What I lack in experience I make up for with passion, hard-work, and a desire to constantly learn, grow, and improve myself.

Skills

Client-Side

- Experience using **HTML5/CSS3** and **Bootstrap** to build well-designed, responsive web pages.
- Experience using **jQuery** for event handling, manipulation, and animation.
- Working knowledge of **JavaScript**. Written many simple solutions (“algorithms”) to solve problems.
- Understand fundamentals of JavaScript such as scope, closures, prototypical inheritance, etc.
- Experience with image editing software such as **Photoshop CS6** and **Corel Draw**.

Server Side

- Basic knowledge of **Command Line**, **Node.js/Express**, **MongoDB/Mongoose**, **ejs** for templating.
- Understand **MVC** architecture, and benefits of a MVC framework (Angular, React, etc.).
- Working knowledge of **SQL**.
- Have written **Python** scripts to automate data import and conversion; experience with ArcPy library.
- Experienced with geodatabases, versioned databases, and ArcSDE.

GIS

- Experienced with the ESRI ArcGIS software package, including several extensions.
- Web mapping experience – Geocortex and nexVIEWer Flex.
- Basic understanding of 3D visualization and remote sensing.

Experience

04/15 – Present

Devon Energy – Oklahoma City, OK

GIS Contractor

- Create maps for various groups within Devon including Marketing, EHS, and Engineering.
- Use Facility Manager to upload lines into the PODS database and to manage pipeline data.
- Create python scripts to automate data import and processing tasks.

05/14 – 03/15

Samson Resources – Tulsa, OK

GIS Analyst

- Used Network Analyst (Vehicle Routing) to create least-cost routes for pumpers.
- Created and maintained mapbooks using data-driven pages.
- Supported ArcGIS users from various groups.
- Submitted necessary spatial data to regulatory agencies: OneCall, TRRC, NDIC, etc.

Education

09/15 – 11/15

OK Coders Web Development Bootcamp – Oklahoma City, OK

Certificate in Full-Stack Web Development

- Skills covered: HTML5/CSS3, JavaScript, jQuery, Node.js, Express, ejs, MongoDB, Mongoose.
- Essentials: Functions, Scope, Data Structures, Routing, Rendering and Templates, MVC.

08/09 – 05/14

Oklahoma State University – Stillwater, OK

B.S. Geography, GIS Certification

- Acquired strong GIS and very basic programming knowledge from classes: GIS Programming, Database Management, Logic and Reasoning, Spatial Analysis, Socio-Economic GIS, Natural Resource GIS, Geodata Collection, Cartography.