PATRICK PUGA

SOFTWARE DEVELOPER

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(915) 929-9529
patrickpuga.com

SKILLS

Programming Languages
JavaScript (ES6), TypeScript, HTML, CSS/SASS, C#, SQL

Libraries & Frameworks
React, MobX, Redux, .Net, Gatsby, Bootstrap

Tools & Platforms
Visual Studio, Git, Jira, MS SQL Server, IIS Server, Nginx

EDCUCATION

M.S. Electrical Engineering
University of Texas El Paso

B.S. Electrical Engineering
University of Texas El Paso

PROJECTS

Personal Website - My portfolio website designed using Gatsby and Styled Components.

Reactivities - Social media website built using ASP.Net Core, Entity Framework, MediatR, React/Typescript,

INTERESTS & VOLUNTEER WORK

Mountain biking, hiking, guitar, anything outdoors and cruising on my boosted board

Humane Society of El Paso - Non-profit no-kill animal shelter on site volunteer

Volunteer After School Sports Program (VASSP) - Kindergarten and 1st grade soccer coach

PROFILE

Full stack software engineer specializing in developing exceptional, secure, highly scalable websites and applications.

EXPERIENCE

SENIOR SOFTWARE DEVELOPER | Active Secret Clearance
Kiliuda Consulting LLC | El Paso, TX | Mar 2014 - Present
Contractor for the US Drug Enforcement Administration (DEA) El Paso Intelligence Center (EPIC)

▷ Currently working with a team of 4 engineers tasked with completely replacing an app for law enforcement deconfliction (determining when law enforcement are conducting an event in close proximity to one another).

▷ Designed and implemented frontend using React, MobX, built upon a React starter I created with with customer Webpack configuration. A configuration being used for future apps.

▷ Responsible for developing features across the application stack that include React components for interactive data tables, maps, pagination, database integration using MS Entity framework, as well as .NET backend micro service API's.

▷ Assisted other projects in migrating to Redux for state management prior to using MobX for more current apps.

▷ Developed backend micro service API's using .NET framework, migrating from the previous monolithic architecture.

▷ Implemented a location micro service that leveraged Apache's Solr search engine geospatial capability, vastly increasing the speed over the original applications use of SQL stored procedures.

▷ Involved in the entire application life cycle from planning and requirements though initial beta testing.

▷ In addition to active project development I also assist junior developers maintain and troubleshoot existing applications.

DISPLAY APPLICATIONS ENGINEER
Micron Technology, Inc. | Denver, CO | Oct 2011 - Nov 2012
Applications engineer for Micron's FLCOS (ferroelectric liquid crystal on silicon) Microdisplay products

▷ Provided technical expertise and assisted customers with FLCOS micro display integration into their prototypes.

▷ Worked on testing for Micron's POP iPhone 4 pico projector and mobile app.

▷ Programmed custom scripts for automated display testing (assembly language & MATLAB scripting)

▷ Authored technical notes for display scaling, display microchip memory access/programming, and thermal design considerations.