Andy Knolla

Web Developer

Andyknolla.dev

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Work Experience

IHS MARKIT (S&P GLOBAL) – Boulder, CO   Software Engineer   Nov 2017 - Feb 2022

- Engineered, delivered, and maintained high performance, high traffic, and high visibility web applications for the world's largest financial firms
- Maintained 15+ different projects with technologies ranging from ASP.NET to Vue.js, tracing bugs through complex tech stacks
- Developed complex and dynamic UI features for financial research websites and tools
- Worked as subject matter expert for a proprietary data-visualization technology for producing charts and PDFs
- Led multi-team code releases, often deciphering potential issues/points of conflict and developing contingency plans
- Worked in projects shared accross multiple teams – following conventions, managing merge conflicts, and communicating for efficient progress
- Attended to client-reported high-priority bugs
- Trained and mentored new team members
- Got to tackle all the CSS bugs on a team of devs allergic to CSS
- Agile: actively contributed in grooming, demos, retros, and daily standups
- Version control (git): set example for excellent commit messages
- Developed C#.NET skills (OOP, strong-typing) on the job and at home

TECHTONIC GROUP – Boulder, CO   Developer Apprentice   December 2016 - April 2017

- Worked and learned as part of a paid apprenticeship, applying skills learned at Galvanize
- Contributed to two projects utilizing React, Angular, PHP, and Bootstrap
- Agile: Worked in a 5 person team using Agile and Scrum processes

SUNDYNE – Arvada, CO   Welder/Fabricator/Assembler   January 2013 - April 2016

- Assembled 12 different high-speed pumps and compressors. Certified in TIG welding

US MARINE CORPS   Aviation Hydraulics Engineer   July 2001 - July 2006

- Honorably discharged at the rank of Sergeant (E-5)

Education

GALVANIZE – Denver, CO   6 month Web Development Immersive – 2016

1000+ hours of industry focused curriculum covering all aspects of modern web development & building real world business apps – Focus on problem solving, teamwork, and continuous learning.

WICHITA STATE UNIVERSITY – Wichita, KS   Bachelor's of General Studies – 2007 - 2011

Skills

Technologies

- JavaScript
- C#/.NET
- Vue.js
- React + Redux
- jQuery
- Node.js / Express
- Ruby / Rails
- AJAX
- RESTful APIs
- Swagger
- Mocha / Chai
- Jest / Jasmine
- SCSS
- Bootstrap
- PostgreSQL
- Mongo
- Relational database design
- CLI / UNIX
- Git & SVN

Tools/Techniques

- Agile - Scrum
- Responsive Design
- Pair Programming
- Jira
- Visual Studio
- Wireframing
- TDD
- Balsamiq Mockups
- Web Accessibility