

Ryan Howe

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SKILLS

I am a maker of things, a creative problem solver with extensive experience in the Technology industry. I am interested in a role where I can be hands-on in a code base with a strong creative team that stands by their product and craftsmanship. My skills range the full stack with specialization in the areas of front and back-end development with considerable experience in SQL from ETL to query optimization to database design.

EXPERIENCE

TrueCar, Inc. , Boston MA / Remote – Software Developer III

MAY 2019 – PRESENT

Onboarding for new hire and contractors. Implemented a testing mentality of the team to ensure features released were tested and new issues were protected from regression with new tests. Created a testing framework to integrate into PHPUnit for implementing component tests to our mission critical API. Created an AB testing framework for testing the more difficult infrastructure changes to ensure quality releases. Updated container infrastructure and utility scripts to help developer and support workflows.

Technologies: PHP, MySQL, PostgreSQL, javascript, jQuery, React, Docker, Jenkins, GitHub

Audit Analytics, Sutton MA – Senior Developer

SEPTEMBER 2015 – MARCH 2019

Gathered project specifications from company stakeholders, architected solutions and managed junior developers while working on separate projects in parallel. Introduced updated development practices and strategies to bring a large legacy code base up to date. Mentored junior developers and provided guidance on refactoring and modernizing coding standards. Introduced and implemented value objects, synchronized validation, and improved overall OOP architecture. Attended conferences and brought back training material and industry standards to present to the development team. Built interfaces for data entry, quality control, and statistical analysis. Developed modularized reusable user interfaces. Conducted candidate interviews and assessments.

Technologies: PHP, MySQL, jQuery, Bootstrap, Symfony, Composer, Linux (CentOS), JIRA, Mercurial, Bitbucket

Avention, Concord MA / Remote – Developer II / DBA

JUNE 2007 – AUGUST 2015

Primary developer for all database processes for the professional services department. Automated and streamlined production processes to reduce or remove user interaction from processes while decreasing their run times from an average of two 2 days per process to only several minutes per process. Performed all aspects of project management though full development and sales cycle, including determining initial client specifications, time estimates, writing process specification, process design, development, publishing to production, and client requirement maintenance. Developed internal tools for streamlining processes both internally and across departments. SOAP, JSON API development and design from database tables through the external implementation and documentation.

Technologies: SQL Server, SSIS, T-SQL, C#, PHP, VBA, JSON, SOAP

JNJ Industries, Franklin MA – Software Developer / Application Engineer

MARCH 2006 - JUNE 2007

Developed a multi-user manufacturing, inventory and cost analysis database with accompanying user interface. Managed first organization-wide complete cost analysis and price restructuring project to protect the company's profit margin on manufactured goods. Created a cost to manufacture system for maintaining the company's future profit margins. Maintained company website on remote LAMP server.

Technologies: MS Access, MS Excel, VBA, PHP, ASP, MySQL, Linux(SUSE)

EDUCATION

University of Massachusetts, Lowell – *BS Mechanical Engineering*

SEPTEMBER 1996 - JUNE 2005

Graduated on the Dean's List. Class work consists of a broad assortment of core Mechanical Engineering classes. Detailed project-related work for courses requires design, analysis and testing to confirm analytical models; use commercially available software and test laboratory prototypes; projects require teamwork along with interim reports and final design reports which are presented at the completion of the projects. Class work in Computer Science. Graduate class work in the areas of Finite Element Analysis, Vibrations, and Manufacturing Control.