ROB HARRISON

Sacramento, CA

Software Engineer

Robust Client-Side Technologies / Object-Oriented Languages / Relational Database Systems

- **Innovative software engineer** offering over ten years of experience in the full software development lifecycle – from concept through delivery of next-generation applications and customizable solutions.

- **Known for excellent troubleshooting skills** – able to analyze code and engineer well-researched, cost-effective and responsive solutions.

- HTML5/JavaScript/AngularJS development team lead, .NET Lead Developer, experience with Angular 2+ and ReactJS, significant experience in developing multi-tiered database-driven applications.

- Proficiencies in requirements gathering, system design, database design, and Agile Methodology.

Technologies

Languages and Technologies: JavaScript, TypeScript, AngularJS, Angular (2+), NodeJS, ReactJS, JQuery, C#, Visual Basic, .NET, SQL Server (TSQL), Oracle, JSON, CSS, Bootstrap, IntelliJ, MacOS Development Technologies, Visual Studio, Silverlight/XAML

Reporting: SQL Server Reporting Services (SSRS)

Data Services: Web API, REST Services, Microservices Architecture, SOAP, SSIS

Version and source control: GitHub, MS Team Foundation Server

Professional Experience

APPLICATION DEVELOPER, 7/2018 to 12/31/2018 – INTEL CORPORATION, Folsom, CA

Full-stack web application developer:

- Contracted with Intel IT's eDiscovery team to build a front-end to their eDiscovery platform for use by both Intel IT and Intel Legal. This application is written in Angular (v5) with the back end written in ASP.NET v4.5., C#, and accessing multiple data sources, such as SQL Databases, in-house data services, and external APIs such as Googles Google Drive API.

SOFTWARE ENGINEER, 10/2016 to 6/2018 – SAFE CREDIT UNION, Folsom, CA

Custom online banking applications:

- As lead developer, utilized JavaScript-based technologies with a REST/SQL backend to develop a custom online banking/mobile banking application that brought a rich front-end user experience to life for SAFE's new Cash Rewards credit card. Via web or mobile device, users are able to enroll in the program, select a rewards category, monitor their accumulation of Cash Rewards, and redeem them on-demand to one of their accounts or to a charity organization. Responsible for development on all layers of the application, including ASP.NET (v. 4.0) C# business layer—including SQL stored procedures, views, etc.—and REST data service, using WEB API.

- Enabled business growth by developing custom responsive forms for members to RSVP to special events put on by the Credit Union and/or accept promotional offers, such as car loan refinancing or credit cards. These forms utilized a Javascript/AngularJS front end and integrated with Salesforce and SharePoint for data submission and processing. The member's response information was stored in Sharepoint via an ASP.NET (v. 4.0), C# data service.

- Developed a front-end viewer/administration application for the logging records generated by every one of our banking applications. The tool aggregated all the logs into parent/child groupings and displayed them based on search criteria specified by the user. This enabled Business Analysts to research issues to ensure proper root-causing without taking up developers' time. This application used an AngularJS front end with ASP.NET (v 4.0), C# business- and data-access layers.

- Shortened back-end development time by developing a POC for a custom ORC application that was ultimately used by the team to programmatically read a database schema and write custom C# objects and methods and SQL stored procedures.

Third party software integration:

- Helped enable application integration with other applications, such as SharePoint, Salesforce, and the Credit Union's core banking systems via custom ASP.NET/REST data services. The data services use C# object models to enable easier integration with external systems.

APPLICATION DEVELOPER, 7/2007 to 6/2016 – INTEL CORPORATION, Folsom, CA

HTML5, AngularJS, JQuery Solution Highlights:

- Increased visibility and ease of access to Intel IT's vast "warehouse" of data, thereby allowing executives, program/project managers and resource managers to quickly and easily access information via a customizable report viewing tool which allowed for grouping of frequently-used reports with personalized parameters as well as customizable email subscriptions to desired reports. Enabled mobile/responsive viewing of the data by utilizing a SaaS product to render SSRS reports in HTML5 format.

- Enabled Intel IT CIO and Senior Management to track program and project progress and performance to metrics by developing a highly customized work management tool which included many specialized views of program/project data and performance to timelines. Enabled resource managers to easily manage headcount with simplified views tying people to projects over time.

- Saved Intel IT yearly run-rate costs and headcount allocation by replacing five IT tools with the above-mentioned project management tool. Decreased database management overhead by combining five databases into one, saving DBA and DB server resources. Increased support team code coverage by replacing several tools built on varying technologies with one written in standardized HTML5/AngularJS.

- Enabled IT Sales and Marketing teams to increase Intel's sales and revenue by leading the development of a Content Management tool which houses and catalogs white papers and other content depicting how to implement Intel Architecture in an IT infrastructure.

ASP.NET (C#, Visual Basic) Solution Highlights:

- Drastically improved Intel IT Finance's budgeting process as the technical lead developing a database-driven tool to replace an Excel-based forecasting process. Finance analysts' productivity was greatly increased as the new tool enabled multiple users to make adjustments at once as well as by giving them instant access to data and reports.

- Assisted Intel IT in improving organizational health status as technical lead for a tool to bring IT employees a vast array of training options, the ability to compare IT job roles, and other career guidance resources.

- Streamlined the process by which Intel IT's Enterprise Architects manage requests for waivers to enterprise architecture policies and decisions with regards to those requests and follow-up action items by tech-leading a project to replace a SharePoint form-based "tool" with a database-driven application. Decision makers and IT Management were given a more efficient process with customized SSRS reports to work from.

Data Layering Technology:

All of my developed applications access a SQL database through a secure data layer which utilizes C# classes based on the data structure which call stored procedures to perform operations. Some access the data layer directly, others by making calls to SOAP or RESTful data services. My responsibilities in this area include:

- Development and maintenance of SQL databases (schema, views, stored procedures, triggers, etc.).
- Development of data model classes and methods.
- RESTful services (ASP.NET, C#, Web API 2.0).
- Creation of specialized "flattened" database views to be ported into the SSRS reporting environment for use in end-user reports.

BUSINESS ANALYST, 4/2004 to 7/2007 – INTEL CORPORATION, Folsom, CA

Ensured maximum employee productivity and IT process efficiency by managing internal excursions and streamlining processes.

Achievement Highlights:

- Saved Intel IT millions of dollars each year by utilizing six-sigma process control methodologies to streamline internal processes.
- Decreased excursions related to Intel IT's internal software distribution system by developing training for support analysts and then delivering that training to analysts in the U.S. and Malaysia.
- Ensured the productivity of Intel's ~100,000 employees by taking ownership of technical and business process escalations brought to IT from every level of the company from individual contributors all the way up to the office of the CEO.
- Proactively reduced excursions by creating a process to identify potential issues and drive them to resolution prior to any significant end-user impact.

INTERNAL TECHNICAL SUPPORT ANALYST, 2/2000 to 4/2004 – INTEL CORPORATION, Folsom, CA

Resolved technical issues for Intel employees allowing engineers to engineer, managers to manage and program managers to manage programs rather than wasting time on issues related to their PC, the internal infrastructure, or any other application or IT process needed to do their job.

Education

Professional Technical Training:
Web Site Development with HTML/JavaScript
C++ Programming for Non-C Programmers
ASP.NET 2.0 Programming Using C#
Advanced .NET Framework Programming Using C#
ASP.NET 2.0 Programming Using VB.NET
SQL Programming
Relational Database Design Concepts
Six-Sigma Green Belt Certified
ITIL Service Management Certification

ITIL Problem Management Certification

University of California, Davis
Network Administration and Management Certification
Completed certification courses with a 4.0 GPA.

American River Community College
General Coursework toward a BS degree in Computer Information Science.