Hector Gray

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Who am I?

I started programming as I learned typing while growing up as 5th grader in Japan, by the 10th grade I was releasing apps to download.com such as MediaXL, an MP3 player built in C++ and designed as a better user experience than both Winamp and Windows Media Player. This passion around building software still lies within me today as I enjoy solving challenging problems and working with others on new projects.

Skills

ASP.Net MVC AAC
HTTP RIAK JAVASCRIPT C#
SQL AJAX WCF Linux CDN
NoSQL NODE.JS POLYMER.JS
Angular.JS HTML SCRUM REST HTML5
Web services FFMPEG H.264/H.265

Experience

Principal Media Architect @ MySpace   8/2006-11/2014

At MySpace I first recognized many challenges facing our Media Processing environment, this led me to design and build a distributed workflow system for encoding audio & video. This ultimately reduced costs & improved the users experience by cutting the time spent waiting for media to process by more than half. When I was later challenged with ingesting a high volume of media from partners the MySpace Ingestion Platform was born, and then quickly extended to handle the needs for all of MySpace Music and MySpace TV.

Recently I've worked to create a Node.js workflow library that has allowed our Media Processing system to work in a more streamlined Linux environment. The workflow library has since been used extensively to solve various other big data problems as well, including an indexing service I built to quickly locate content stored within terabytes of unorganized storage using both Node.js & RIAK.

SDE @ Microsoft   6/2006-8/2006

Apart of the Microsoft Experience group I worked on the Microsoft Events ASP.NET website handling mission critical tasks, stopping security exploits from reaching production while also working with product to meet requirements and ensure successful software releases.

Software Developer @ Servco   3/2006-6/2006

As a developer for Hawaii's largest Toyota dealership I was responsible transitioning the Warranty platform from a mainframe to a C# and ASP.Net solution. This greatly sped up time to process warranty repairs while decreased the time waiting on parts and services.

Software Developer @ HMSA   8/2005-3/2006

At HMSA I worked to help Hawaii's largest provider of health care coverage begin processing 276/277 EDI transactions with a robust .NET ETL transaction service.

Software Developer @ ICanHasCheezburger   2005-2006

As the first employee for the worlds favorite LOL cat site I built the ASP.NET back end as well the popular image upload tool that allows millions to generate & caption their own memes.

Solutions Developer @ CTA [Security Clearance Obtained]   8/2001-8/2005

At CTA I worked as both a developer and a trainer, teaching NET, Java, SQL & Database Design & Methodology classes. As a solutions developers I worked on a number of .NET projects for both the State and the Department of Defense, as well has having one project presented before Congress for approval.

Software Developer @ Inovaware   8/2001-8/2005

Inovaware is one of Hawaii's largest international award winning E-Commerce companies. My work here included developing native user interfaces for configuration systems, as well as C++ libraries for our billing clients that use web services to communicate with the Java back end.

Recent Accomplishments

Los Angeles Comcast NBCU Hackathon   11/2014

Challenge Winner – Today many people are not able to enjoy non-English content on television. In order to remove language as the barrier I built a Node.js & Polymer.js mobile application that can recognize what episode a user is watching and where they are in that episode. As the story progresses the app is updated in English with character details and plot twists as they happen on screen.

Hacking Healthcare: Creative Solutions to Medi-Cal's Problems   11/2014

1st Place **-** Developed a Node.js & Polymer.js HTML5 application that test a patients Medi-Cal readiness, afterwards they are presented with either a printed Medi-Cal application form in their preferred language or a list of the next steps required to become eligible. The primary goal is to dramatically reduce the number of unnecessary applications in the backlog, which are currently over 350,000.

ASA Certified Sailor – 101, 103, 104, 105, 106, 114

Microsoft
C E R T I F I E D
Professional Developer

Web Developer
Windows Developer
Enterprise Applications Developer