DAVID W. GRAY

Seattle, WA | 206-683-5343 | davidgray@outlook.com

SKILLS PROFILE

- C#/.Net, C/C++, JavaScript, TypeScript, MySql
- Full Stack Web, Desktop Application, Diagnostic Tools, Phone App Development
- Leadership experience on teams using both Agile and Waterfall methodologies
- Effective mentor and coach

EMPLOYMENT HISTORY

Software Engineering Manager, Clean Power Research   2017 — Present

Kirkland, WA

Managed a small team of engineers who develop and maintain a family of products including consumer facing solar and EV calculators, a B2B API for utility bill calculations, and a utility scale, ML based prediction engine for distributed energy resource adoption.
Took a team and a code base that had been oriented towards small contract-based projects and introduced engineering practices that moved towards a more stable and manageable system. This included SCRUM practices, code review processes, several levels of automated testing and extensive refactoring. These products are developed using Microsoft technologies running in the AWS cloud.

Founder, music4dance.net   2014 — Present

Seattle, WA

Built a ratings and referral website that makes it easy for dancers to find music that inspires them to dance. This is a Web application written in asp.net MVC, running in the azure cloud.

Principal Lead Software Engineer, Microsoft   2003-2012

Redmond, WA

Team lead for the Visual Studio Debugger, Profiler, and IntelliTrace. Took best of class diagnostics tools through multiple product cycles. Attacked many of the hardest problems developers face including reducing the "not reproducible" problem and diagnosing issues in the cloud and on devices.

President, theGray.com   1999 — 2003

Seattle, WA

General software consulting including technical feasibility analysis for venture capitalists, website design, and deployment, custom office automation and billing software for a clinic, web-based survey, and data cleaning.

Vice President of Technology, Sunhawk.com   1996 — 1998

Seattle, WA

Managed a team of Software Engineers, Graphics Artists and Music Librarians to build an e-commerce solution for browsing and purchasing sheet music over the internet.

Lead Software Engineer, Microsoft   1995 — 1996

Redmond, WA

Led a team that translated some of the most compelling ideas from Visual Basic Enterprise Edition including database management and component wizards into the first Enterprise Edition of Visual C++.

Senior Software Engineer, Microsoft   1989 — 1995

Redmond, WA

Designed and implemented the core debugger to enable it to target multiple operating systems running different microprocessors, locally and remotely while hosted ins development environments.

EDUCATION

- B.S. Applied Mathematics and Computer Science, Carnegie Mellon University, Pittsburgh
- User Experience and Design Certificate, General Assembly, Seattle

TEACHING

- Discrete Math and Data Structures, Northeastern University, Seattle
- Volunteer Introduction to Computer Science Teacher, Truman High School, Federal Way
- Introduction to Programming Workshop Teacher, Seattle, Washington