DAVID W. GRAY

Seattle, WA | david@music4dance.net | https://www.linkedin.com/in/dwgray/

SKILLS PROFILE

- Leadership experience using both Agile and Waterfall methodologies
- Mentor and coach
- C#/.Net, C/C++, JavaScript, TypeScript, Vue.js, MySql, T-SQL, Azure AI Search
- Full Stack Web, Desktop Application, Diagnostic Tools

EMPLOYMENT HISTORY

Founder, music4dance.net

2014 — Present

Seattle, WA

- Built a ratings and referral website that helps dancers find music that inspires them to dance: A Web application written in ASP.NET Core with a Vue.js front end, running in the Azure cloud and built around Azure AI search.

- This project provides me with the opportunity to work with new technologies and explore upgrade paths in a fully controlled sandbox. I originally developed music4dance in ASP.NET MVC 3 and Microsoft T-SQL. Early on, I started sprinkling knockout.js code to make the UI more reactive. I've kept up with the .NET upgrades, including the major .NET core shift, converted the core Database to Azure Cognitive Search, and all the pages that require a significant amount of JavaScript to Vue.js/Typescript.

Maintainer, BootstrapVueNext

2025 — Present

Remote

- When the maintainers of the front-end library that music4dance depends on (bootstrap-vue) stepped back, I joined the engineers working on a replacement. I've contributed to the architecture, made numerous bug fixes, added and reworked several components, built out the documentation, and developed a parity report to track our progress. Using AI to web-scrape the bootstrap-vue documentation to generate the parity report and writing a VitePress Plugin/Markdown Extension to generate running sample code and annotated samples from the same source in the documentation were just two of the more technically interesting challenges.

Principal Lead Software Engineer, Microsoft

2003-2012

Redmond, WA

- Engineering lead for the Visual Studio Debugger, Profiler, and IntelliTrace. Drove best-of-class diagnostics tools through multiple product cycles. Attacked many of the most complex problems developers face, including reducing the "not reproducible" problem and diagnosing issues in the cloud, desktop, and devices.

- Collaborated with cross-functional teams across Microsoft, including Visual Studio, C#, VB, C++, .NET, SharePoint, and Windows to enable features that were business critical to those teams and to enable the tools that my team owned to work effectively with those platforms and languages.

- Worked with management and the team to transition to a SCRUM process.

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 cross-functional team of Software Engineers, Graphics Artists, and Music Librarians to build an e-commerce solution for browsing and purchasing sheet music over the internet. This solution included a website engine that both compiled static pages served by a 'nix server and an IIS plugin to dynamically serve pages based on a custom music database, as well as a system to download encrypted sheet music and purchase the encryption key by processing credit card transactions.

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 in different development environments.

EDUCATION

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

TEACHING/VOLUNTEERING

- Mentor, Computer science students in non-traditional colleges, MinT
- Team lead for student capstone project, MinT/CodeDay.org/Green River College
- Mentor, MicroInternship CodeDay.org
- General Volunteering, Website and SEO consulting, HugoHouse.org
- Instructor, Discrete Math and Data Structures, Northeastern University, Seattle
- Volunteer Teacher, Introduction to Computer Science, Truman High School, Federal Way
- Instructor, Introduction to Programming Workshop, General Assembly, Seattle, Washington

WRITING

- Technical Blog: https://medium.com/@dwgray/
- Marketing Blog: https://music4dance.blog/