Chance Miller

ch@ncemiller.com
617 861 7440

AMAZON WEB SERVICES
Dec 2021 - Present

Software Development Engineer 2
Developing modules for the AWS Elasticache DataPlane team, primarily using Rust, C, C++. Modules released include JSON and Vector Similarity Search; other modules and integrations in progress. Also improved internal operations and wrote tools to aggregate customer metrics. Helped start Boston Office for Modules team as the second person on the team. Providing ongoing mentoring to new employees.

RESET TIME
Jan 2018 - Nov 2021

Developer, Caretaker
Took time to work on independent projects. Developed an online board game, started working on a beat-'em-up game featuring live actors. Began collaboration with a bio-physicist on a project using image recognition, geometry and statistics to reduce months of labor to hours of analysis.
Projects interrupted by urgent family matter that took most of this time period.

GOOGLE
Apr 2015 - Dec 2017

Software Engineer, Tools and Infrastructure 2
Developed regression and comparison analysis tools using Python, C++, and Google-specific tech to gather statistics and ensure quality results for individual airlines. Analyzed tens of thousands of daily production queries from Google Flights' QPX and Availability engines. Deployed and maintained infrastructure for said tools.

PEGASYSTEMS
May 2013 - Apr 2015

Software Development Engineer 3
Designed and developed process management tools for Pega's enterprise platform using a combination of Java, Javascript, HTML, and Pega proprietary components. Communicated with customers to develop and deploy hotfixes for urgent issues.

MICROSOFT
Aug 2011 - Apr 2013

Software Development Engineer
Maintained and developed a testing harness in C++/C# used by Microsoft's Office division. Collaborated with testers to determine needed improvements.

INTEL
May 2010 - Aug 2010

Software Engineering Intern
Designed and developed an internal C#/ASP.NET application to keep track of silicon inventory, manage wafer route requirements, and generate orders for more materials. Trained teams of workers to use the new software.

MITRE
May 2009 - Aug 2009

Software Engineering Co-Op
Developed comprehensive XML Schemas for the integration of multiple formerly incompatible military communications standards.

FOOD MOOCHER
Jun 2008 - May 2009

Developer/Entrepreneur
Designed and developed a social website for local users to share free food events.

EDUCATION

Worcester Polytechnic Institute (WPI)   Aug 2007 - May 2011

Bachelor of Science Computer Science

Related Coursework: Discrete Math, Algorithms, Assembler, Webware, Operating Systems, Human-Computer Interactions, Distributed Computing, Databases, Object Oriented Analysis & Design, Data Mining, Linear Algebra

Misc: Ballroom Dance

TECHNOLOGIES

Rust, C++, C, Java, Ruby, Python, PHP, CSS, HTML, Javascript, Postgres, MySQL