

Aaron C Keel

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Summary

Software developer with over 7 years of professional experience specializing in frontend development and data visualization. Proficient in JavaScript, TypeScript, CSS, HTML, and various frameworks and libraries such as React, Redux, and D3. Skilled in building user interfaces, developing new features, and ensuring code reliability. Experienced in collaborating with cross-functional teams and contributing to agile development processes.

Skills

JavaScript, TypeScript, CSS, HTML, Python, SQL, React, Redux, Webpack, Express, D3, Pandas, Numpy, Git, Node JS, GraphQL, Jupyter

Software Experience

D-Wave, Burnaby, BC, Canada

Software Developer II, Front-End, June 2022 - Present

- Developing and maintaining frontend for cloud service and customer business systems, leveraging Python, Django, JavaScript, React, CSS, and HTML.
- Assist in planning, prioritization, and design of new features.
- Create unit tests using Jest, React Testing Library, and various other tools.

Alten Technology USA, Westminster, CO, USA

Software Developer, July 2021 - June 2022

- Contracted for the product development team at Medtronic, contributing to the development of a medical device user interface.
- Developed new UI features using JavaScript, Redux Toolkit, and React.
- Implemented testing strategies with Jest and Cypress.

Allen Institute for Brain Science, Seattle, WA, USA

Software Engineer II, October 2018 - June 2021

- Created a scientific data platform and visualization UI for exploring neuron-centric data, utilizing TypeScript, Redux Toolkit, and React.
- Built a backend-for-frontend solution for managing data source APIs and scientific data updates using Node, Express, and TypeScript.
- Collaborated with teams to establish requirements for data pipelines and APIs.
- Mentored new team members and conducted code reviews.
- Implemented continuous integration and deployment solutions using AWS and GitHub.

Affirma Consulting, Bellevue, WA, USA

Software Engineer, April 2018 - October 2018

- Contracted at Microsoft, working with the Core Data Engineering Team.
- Extended and developed data visualizations using TypeScript and React.

Institute for Health Metrics and Evaluation, Seattle, WA, USA

Software Developer, April 2016 - April 2018

- Designed and developed data visualization and exploration tools for global health data.
- Improved web applications using JavaScript, TypeScript, React, Redux, and D3.
- Developed a high-performance REST API server in PHP to access large datasets.

Education

University of Washington, Professional & Continuing Education, Seattle, WA
Certificate in Machine Learning, 2021

Portland State University, Portland, OR

M.S. in Mathematics, 2010

Areas of interest: Algebraic Topology, Group Theory, Geometry

University of San Francisco, San Francisco, CA

B.S. in Mathematics, 2004

Additional Experience

North Seattle College, Seattle, WA

Mathematics Instructor, September 2012 - August 2016

University Prep High School, Seattle, WA

Long-term Substitute Math Teacher, January 2016 - April 2016

Holyoke Community College, Holyoke, MA

Mathematics Instructor, September 2010 - June 2012