Zachary D. Schmidt

zschmidt.github.io • Bend, OR

Education

- **University of Oregon** — **Eugene, OR**
  M.S. Computer Science — *2015 – 2017*
- **Minnesota State University, Mankato** — **Mankato, MN**
  B.S. Computer Science
  B.S. Mathematics — *2008 – 2013*

Experience

- **SoundCommerce** — **Remote**
  Senior Software Engineer — *February 2022 – November 2023*
    - In addition to previous responsibilities, onboarded new hires by acting as a point of reference and maintaining an onboarding document which served as an introduction to the SoundCommerce ecosystem
    - Managed onboarding and access control for a team of newly hired offshore employees, utilizing Terraform to iteratively assign and update permissions, ensuring compliance with security protocols.

  Software Engineer — *March 2021 – February 2022*
    - Developed and optimized data pipelines in Scala to manipulate large-scale BigQuery datasets for in-depth customer analysis, improving data accuracy and efficiency
    - Authored and implemented new processes for loading and processing terabytes of clickstream data on an ongoing basis, leveraging Google's Container Registry, Cloud Storage, and Kubernetes Engine to ensure seamless data flow and scalability

- **Qualtrics** — **Remote**
  Software Contractor — *November 2020 – December 2020*
    - Completed a two month contract focused on enhancing an existing AngularJS application, with a strong emphasis on improving keyboard accessibility for non-sighted users by implementing focus styles, updating DOM order, and programmatically handling keyboard actions

- **ATP Development** — **Remote**
  Software Associate — *June 2018 – May 2020*
    - Developed a full-stack application with a TypeScript/Angular client and a C#.NET Core backend, integrating Cosmos DB and SignalR for real-time communication, and oversaw its deployment on Azure
    - Configured and maintained CI/CD pipelines that deployed Docker instances managed by a Kubernetes cluster, leveraging Helm and Tiller for resource management
    - Managed domain records (MX and CNAME) and implemented an automated email service using SendGrid

- **Thermo Fisher Scientific** — **Eugene, OR**
  Software Engineering Contractor — *January 2018 – June 2018*
    - Updated the user interface of a flow cytometer in a laboratory setting using C++and Microsoft Foundation Class, while participating in Kanban development methodology to ensure efficient project workflow

- **ImageTrend, Inc.** — **Lakeville, MN**
  Software Developer — *January 2014 – September 2015*
    - Developed web applications using a diverse tech stack, including ColdFusion for CMS, AngularJS/Bootstrap for responsive design, and C#.NET for RESTful APIs
    - Led the development and deployment of a real-time auction platform with a Java backend, utilizing Lightstreamer streaming, and verified its ability to support 10,000 users via Amazon EC2 load testing

Certifications

- Eagle Scout, Boy Scouts of America 2008
- General Amateur Radio Operator KK7QHO, ARRL 2024
- Wilderness First Responder, NOLS 2024
- Crosscut A Sawyer/Chainsaw A Sawyer, Forest Service 2024