Shannon Scott **Schupbach**

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(revised 5/15/23)

WORK HISTORY
Sr. Software Engineer
Optum Digital (part of UnitedHealth Group, formerly Rally Health) (Aug 2020 - Apr 2023)
- ➔ Migrated administrative app for configuring targeted content across the entire org from AngularJS to React
- ➔ Built new administrative app for managing customer tags used to focus targeted content across the org
- ➔ Improved and maintained automated Jenkins deploy pipelines
- ➔ Led initiative to standardize and enforce coding style and best practices across my team's three UI apps

Associate Engineer, Frontend Enablement Team Lead
Amount (formerly part of Avant; July 2017 - Aug 2020)
- ➔ Overhauled large portions of AngularJS app to improve platform scalability and stability
- ➔ Transitioned Rails app from Bootstrap to internal CSS library and custom AngularJS components
- ➔ Created road map for migration of core app from AngularJS to React/Typescript/GraphQL
- ➔ Led development of AngularJS to React proof-of-concept; obtained buy-in from Frontend leadership
- ➔ Brought all customer- and business-facing UIs into WCAG compliance

Sr. Software Engineer, Analytics front end lead
Aspera, an IBM Company (July 2015 - July 2017)
- ➔ Architected an analytics platform consisting of an AngularJS/D3 UI, a Go/Glow big data processing app, an auto-scaling Redis cluster, and a Rails API server
- ➔ Built the Rails API server and the majority of the AngularJS modules pertaining to layout, site navigation, and basic UI

VOLUNTEER WORK
Midwest Access Coalition | [site](#) | [github](#)
Volunteer software engineer (January 2018 - present)
- ➔ Added "Quick Exit" and browser history override features to help ensure client privacy and safety
- ➔ Core contributor on redesign of the organization's primary informational site built with Jekyll
- ➔ Assisted in Netlify integration, enabling non-technical org leadership to maintain site content
- ➔ Delivered key UI features/bugfixes for open source funds management and accounting app

RailsBridge | [site](#) | [github](#)
TA, Teacher, Event Organizer, Open-source contributor (May 2015 - June 2017, January-February 2020)
- ➔ Wrote algorithm for predicting number of event attendees based on prior attendance
- ➔ Taught students foundational concepts of Ruby on Rails apps and frontend design
- ➔ Planned, organized, and ran several events at various locations around SF Bay Area/Chicago

SKILLS
Core languages: Ruby, Javascript/TypeScript, SQL, Redis, HTML, CSS/SASS, bash/zsh
Core frameworks/tools: Rails, AngularJS, React, Webpack, Gatsby, git

EDUCATION
Coursework towards a PhD Linguistics - *University of California, Santa Barbara*
- ➔ Investigated issues of linguistic complexity from corpus and computational linguistic viewpoints using Python and R to analyze data and visualize results ([link to working paper](#))

MA Linguistics - *University of Montana, 2013 (GPA 4.0)*
- ➔ Explored uses of technology in empowering Blackfeet community to revive their native language
- ➔ Thesis: [The Blackfoot demonstrative system: function, form, and meaning](#)

BA Classics - *Grand Valley State University, December 2010 (GPA 3.975)*
- ➔ Received the "Sophia Prize for Accomplishment in Classical Languages" (2009-10) and the Classics department's "Department Award" (2010-11), both given to one student each year