

Bishop Zareh

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Skills

React, React Native, Typescript, Python, Design Systems, HTML/CSS, state management, web performance, responsive web design, accessibility, SEO, automated testing, CI/CD, Docker, Agile, RESTful APIs, GraphQL, AWS, databases, AI/ML

Experience

Independent Contractor

Self-employed | Austin TX | 8m, 5/25 - Present

Developed and deployed multiple full-stack web and mobile applications using React, React Native, TypeScript, Node.js and modern cloud infrastructure (Railway, CloudFlare, OpenRouter). Delivered contract work on agentic workflows that tripled positive outputs, reduced negative outputs by 18% and reduced token usage by 24%. Built over 15 digital products using generative AI tools like Claude, Cursor, Firefly, and Loveable. Produce daily marketing materials such as articles, posts, images and videos.

Senior Software Architect (Frontend)

Vertafore | Denver CO | 10m, 7/24 - 4/25

I was the bridge between the design and architecture departments. Working closely with UX designers to develop the company's design system, ensuring fast and consistent work across ten web-based products. Created an outreach program to speed onboarding of new products to the design system.

Developed and documented design patterns and processes (Storybook) for all engineering teams, showcasing good architectural decisions that ensure continuous iteration and fast feature development.

While I shepherded over ten products, I also worked directly on one engineering team to better understand the challenges they faced. This included understanding difficult business logic to create features using React and Typescript. Worked on Gitlab CI/CD pipelines. Did code reviews in Typescript and Java. Debugged failing tests in Playwright.

Senior Software Engineer (Frontend)

Amdocs Studios | Seattle WA | 2y 7m, 8/21 - 4/24

I worked as an embedded expert at Amazon. Led a team of five Amazon engineers updating their in-production AWS service spanning 26 global regions and six languages, to a newer version of its design system (Cloudscape) and newer coding patterns (React, Typescript). Developed features using complex internal tooling and APIs (Cloudwatch, DynamoDB, Lambda).

Built the project's E2E testing initiative (Cypress) including basic tests coverage for the entire application, and automated the test runs in a custom CI/CD pipeline.

Built a 1000+ page documentation website (Gatsby, Markdown).

Conducted research on Large Language Models (LLMs), building a thought leadership platform, MATTER, which was nominated for an Awwwards Site of the Day.

Senior Creative Technologist

Karsh Hagan | Denver CO | 3y 5m, 4/18 - 8/21

Managed technical aspects of over 20 accounts, delivering full-stack development on diverse architectures.

Built websites (React, Typescript, Node.js), take-overs, social media campaigns (Hubspot), mobile apps (React Native), voice apps (Alexa, Lambda), prototypes, animated microsities, and large content marketing websites (Wordpress), as well as three web-based products (Typescript, Node.js) for an internal startup incubator.

Collaborated with brand creatives to develop innovative solutions using design systems, analytics (Google), chat bots (Slack), augmented reality (ARKit), webcam stream routing, machine learning (Tensorflow), blockchain (Ethereum).

For instance, for Aspen Snowmass, we built a Twitter (now X) bot that enabled users to send tweets about climate change to their elected representatives. The project won an Ad Club of Colorado award.

Senior Frontend Engineer

Bloomfire | Austin TX | 1y 4m, 4/14 - 7/15

At this Austin Ventures-funded startup, I created visually stunning and animating interfaces for rich-text post editing, series organization, member management, and data tables for complex analytics. Collaboration was key, and I worked closely with UX/UI designers to bring our ideas to life.

Certifications

Adobe Certified Trainer

Google Cloud Certified Trainer

Autodesk Certified 3ds Max Trainer

Apple Video Certified Trainer

Certified Blockchain Professional

Education

Adjunct Faculty - New Media Animation

School of the Art Institute of Chicago | Film, Video, New Media Animation Dept | Chicago IL | 6y, 1/05 - 1/11

Taught senior undergraduate courses in new media animation and distributed video network design.

Undergraduate - Advanced Communications Theory Laboratory

University of Texas at Austin | Radio, Television, Film Dept | Austin TX | 2y 9m, 8/97 - 5/00

Learned technical aspects of cinema production, as well as its cultural and historical context.

Testimonials

"I have been in this industry for quite some time, and I have rarely had the privilege to work with someone as intelligent and accomplished as Bishop. He possesses extensive knowledge and consulting experience, establishing him as a subject matter expert in front-end development and related areas such as testing, design and overall UX. Multiple coworkers have observed and commented on his ability to estimate effort accurately and to rapidly grasp new technologies, leveraging a solid foundation to attain mastery in any subject he tackles."

Brand Hilton, Solution Architect at Amodocs Studios

"I loved having Bishop on our front-end engineering team. He was a top contributor and helped deliver some fantastic, quality new features to our application as well as to help pay down old technical debt from days long ago. He was professional and hard-working, communicated well, and was always reliable. (He was also a great table tennis doubles partner.)"

David McCullars, Senior Staff Engineer at Shopify

"Bishop has always impressed me with his ability to solve problems with technology, he could engineer a solution to do almost anything. He supported many clients for our agency, in many different disciplines, including product development. When you have a tough technology problem, he is a good one to have on your team!"

David Stewart, VP, Innovation at Karsh Hagan