

mark christian

Profile	Humane software engineering advocate. Frontend web developer with an emphasis on infrastructure, scalability, maintainability, and incremental improvement. Experienced technical lead with proven track record in creating cross-organizational teams and leading them through challenging projects.		
Skills	<ul style="list-style-type: none">• JavaScript/TypeScript• Progressive Web Apps• Responsive Design• WebSockets• Ruby, PHP, shell	<ul style="list-style-type: none">• Interviewing• Onboarding• Mentorship• Stewardship• Empowerment	<ul style="list-style-type: none">• Performance profiling• Unit & integration testing• Deployments• Analytics & alerting• Incident management
Experience	Principal Engineer, Slack		2014–2020
	<p>As an early engineer, worked on a variety of product features (@here, Posts, Threads, Platform) before focusing on cross-functional performance and reliability efforts. Created and managed a frontend-focused infrastructure team to own the build pipeline and overall architecture and structure of the frontend codebase. While running the team, continued designing and building features to improve overall system reliability and resilience.</p> <p>Ultimately designed a replacement desktop Slack client to meet ever-increasing scale and reliability needs. This involved interfacing with executives across the company and leading several teams (50+ engineers) over the course of two years to incrementally rebuild the application from the ground up without blocking ongoing feature development.</p> <p>Sat on technical steering committees, stewarded internal tooling, co-designed the frontend interview panel and coding exercises, contributed to developer onboarding, led internal training sessions, and participated in mentorship programs. Interfaced with sales, customer support, and external technical contacts for various large customers. Presented at Frontiers 2019, Slack's developer conference. Authored or co-authored 20+ patent disclosures.</p>		
	Staff Engineer, Twitter		2010–2014
	<p>Performance-focused engineer contributing to the launch of #NewTwitter. Introduced a mix of client and server rendering into the web app to reduce load times by up to 80%. Technical lead on the web team's migration from Ruby to Scala: co-designed the framework used to build the site, operationalized early prototypes, implemented deploy and monitoring processes, and led training sessions to onboard the rest of the web team.</p>		
	Senior Engineer, PBwiki		2008–2010
	<p>Product engineer working on a hosted wiki platform for business and education customers.</p>		
Education	Bachelor of Computer Science, Dalhousie University; Halifax, Canada		2006