David Kurutz

Software Engineer
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Profile

I am a software engineer with 10 years experience in systems administration, troubleshooting, and project management. Most recently I co-authored Xorro-P2P, a Kademlia DHT backed P2P file sharing application built from scratch in Ruby.

XORRO P2P - CO AUTHOR (HTTPS://XORRO-P2P.GITHUB.IO)

- Co-authored and deployed a BitTorrent-Like P2P file sharing application featuring:

  - Complete implementation of a Kademlia distributed hash table in Ruby.

  - File sharding, retrieval from multiple sources, and shard re-assembly.

  - Web UI for local administration, and RPC/HTTP endpoint built with Sinatra.

- Managed and scaled team's development process from local/test environment to a multi-node P2P network in Google Cloud.

Professional Experience

SENIOR ENGINEER + PARTNER - MAC-TECH – 2008-2017

- Developed tools for automation of internal and client facing processes, including a custom API client/CLI application for generation of billing reports from our internally hosted SAAS backup platform. This tool helped to identify and recover ~2K/month in lost revenue.

- Mentored team of 10+ junior techs in delivering infrastructure deployment projects and IT services to our global client base.

Skills

Ruby, Rails, Javascript, jQuery, Node, Backbone, React, SQL, HTML, CSS, AWS, Linux, Git

Though I have experience leading teams and mentoring colleagues, I'm also very comfortable working as a team member and taking instruction.

Education

California State University at Fullerton – Bachelors of Music, 2002