Daniel Sauerbrun

Boulder, Co • dsauerbrun@gmail.com • 818-254-8697
linkedin.com/in/dsauerbrun • github.com/dsauerbrun • dsauerbrun.com • climbcation.com

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Experience

Opendoor - Remote   June 2022 - November 2024

Senior Software Engineer
Tech lead on the CRM team. Accountable for product roadmap planning, infrastructure, and CI/CD for
business critical processes. Regularly met with product, design, operations, and adjacent engineering
teams in order to fulfill these responsibilities.

- Crowning achievement was successfully replacing old and cumbersome tooling by designing a
  micro frontend framework in React. An initiative which had failed twice before.
- Decreased onboarding time for the Operations team by 30% by implementing previously
  mentioned framework.
- Scaled usage of modularized framework from 1 to 4 teams resulting in standardized internal
  tooling which reduced eng time for new initiatives by weeks. Growth achieved by collaborating
  with staff engineers on different teams and maintaining relevant documentation.
- Planned and implemented outreach service increasing top of funnel engagement by 5%
- Deprecated 3000+ lines of code in Rails codebase by moving business logic into Go
  microservices. Resulted in saving $100k/year in cloud service costs.
- Eliminated 2 days/month of maintenance for infrastructure team by migrating two microservices
  off Kubernetes kOps cluster onto an EKS cluster.

BigBrain Games - Remote   June 2020 - April 2022

Senior Backend Engineer
Responsibilities included architecting backend system, ensuring performance by monitoring
observability metrics, and managing Kubernetes cluster. Also volunteered to build BigBrain's CMS
system from the ground up.
- Designed Node.js monolith to grow into microservices architecture. Emphasized performance by
  leveraging multiple layers of caches, ultimately serving up over 1000 requests per second.
- Reduced maintenance effort by setting up Knex.js. Migration rollbacks went from being an hour
  long dev effort to a simple few minutes.
- Reduced content quality error rates from 3/week to 1/week by replacing a spreadsheet based
  CMS with a homegrown CMS.

FulcrumPro - Remote   March 2017 - April 2020

Full Stack Software Developer
Developed an ERP application from ground up. Owned the solutioning for three different manufacturing
clients. Wrote code across full stack, managed AWS(S3 buckets and RDS databases), and managed
multiple linux servers.
- Achieved 20% annual revenue growth with 50% reduction in average workload for a Rubber
  extrusion company. Set up automated scheduling to gracefully handle failed jobs, a quoting

system, and a calculation for raw material requirements which was surfaced to the manufacturing line.

- Improved throughput from 12 to 15 jobs per week for a laser perforation company by building automated QA system to alert line managers when job was trending out of tolerance. Alert would catch the problems before they arose reducing waste while ensuring jobs would finish on time.

Chatlingual - Boulder, CO   August 2015 - December 2016

Full Stack Software Developer
Migrated legacy .net system to Node.js. Built the backend, designed the data model for Postgres db, set up Redis cache, wrote websocket controller, built chat portal in Angularjs, and built lightweight chat widget in pure Javascript.

Novacoast - Santa Barbara, CA   August 2011 - September 2014

Software Development Consultant
Met with clients to gather requirements, write proposals, and implement solutions.

Education

UC Santa Barbara   September 2007 - June 2011
Bachelor of Science - Computer Science - College of Engineering

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Languages

Typescript • Javascript • Go • Python • SQL • Ruby • HTML • CSS

Expertise

Angular • Automated testing • AWS • Bun • CI/CD • Concourse • Docker • ElasticSearch • Git • GraphQL • Kafka • Kubernetes • Node.js • NoSQL • Protocol Buffers • React • Redis • Ruby on Rails • Snowflake • Websockets