David Polcari

Austin, TX 78749 | 214-868-2494 | dpolcari18@gmail.com
Portfolio | Github | Medium | LinkedIn | Authorized to work in the US

FULLSTACK SOFTWARE ENGINEER

Full-Stack Software Developer who is passionate about developing new tools to solve real peoples, real world problems. Bring a global perspective thanks to military family, studying abroad and international travels. Strives to never stop learning and enjoys being challenged.

TECHNICAL SKILLS

Ruby, Rails, JavaScript, Go, React, Redux, SQL, Bootstrap, MaterialUI, CircleCI, Datadog, Pivotal, MVC, REST, OOP

WORK EXPERIENCE

Welnfuse   Austin, Texas
Full-Stack Developer   02/2022 - Present
- Built script to merge groups and related data within application while handling validation errors
- Developed greenfield features and bug fixes in an agile environment as part of a scrum team
- Contributed to planning, grooming, sizing and retrospective meetings for each sprint
- Helped document onboarding process for new hires to smooth out onboarding

W Energy Software   Austin, Texas
Software Developer   08/2021 - 02/2022
- First to implement and utilize unit testing framework for our team using Minitest
- Handled application lifecycle management stories including bugs and features in agile environment
- Participated in daily standup meetings with cross functional scrum teams
- Worked to expand functionality of backend processing in Ruby and Go

Full-Stack Software Engineer   Austin, Texas
Freelance   01/2021 - 08/2021
- Designed restful API's and database schema in Ruby on Rails to efficiently handle HTTP requests
- Created front end user interfaces using React
- Enhanced security with Bcrypt to hash passwords and JSON web tokens to authenticate user on each request
- Reduced code base complexity using Redux on the front end and styled projects with Bootstrap and Semantic

Equinor   Austin, Texas
Senior Drilling Engineer / Workover Engineer   07/2014 - 10/2020
- Reduced all SIF/TRIF to zero in a rolling 12 month period and sustained less than 2% well down inventory
- Improved drilling cycle time by up to 48% ($125 - $200 million budget)
- Refined field cost estimate vs actual accuracy to less than 3% by developing dashboard in Spotfire with SQL

TECHNICAL PROJECTS

weDrive - Link | Github Frontend Backend | Demo
Journey management application aimed at reducing the risks associated with driving using React/Redux and Rails
- Made use of multiple third party APIs/SDKs including MapQuest and OpenWeather
- Harnessed ActionMailer in Rails for emergency contact notifications to increase transparency while traveling
- Utilized JSON Web Tokens for authorization and bcrypt for password hashing to increase security
- Employed Rails as an API using Postgresql and MVC pattern for the backend with React Router on Frontend

The Stonk Market - Github | Demo
Light weight stock market trading platform that supplies real time stock prices with Vanilla JavaScript and Rails
- Created using vanilla JavaScript and Rails as an API to handle full CRUD actions for buying/selling "stocks"
- Executed responsive search feature with drop down results that updates on each keystroke
- Relied on Finnhub.io API for stock market data including comprehensive company list and real time stock prices

Fly-By - Github
Centralized marketplace for finding and purchasing "flights" built with Ruby on Rails
- Employed Searchkick gem to handle flexible search feature
- Paginated results using the Kaminari gem to reduce scrolling
- Utilized Ruby on Rails to create customer and airline employee interfaces with full CRUD actions

EDUCATION

Flatiron School Austin, Texas
Full-Stack Software Engineering Immersive Program, Ruby on Rails, JavaScript, and React JS 01/2021 - 04/2021

Texas Tech University Lubbock, Texas
Bachelors of Science in Petroleum Engineering - Cum Laude - 3.52 GPA 05/2014
- Student Government Association
  - Director of Outreach
  - Budget and Finance Committee Chairman

VOLUNTEER

In Plain English Remote
Writer - JavaScript in Plain English 08/2021 - Present
- Wrote education blog posts focused on JavaScript and React for an audience of 65,000+ followers

Code the Dream Remote
Mentor & Assignment Reviewer 07/2021 - 02/2022
- Held one on one mentoring sessions to review course material and answer questions
- Reviewed students assignments and provided constructive criticism on how to improve
- Volunteered for multiple cohorts across several classes including intro and backend

Nerd for Tech Remote
Writer - Computer Engineering 02/2021 - Present
- Wrote educational blog posts on a diverse variety of programming and computer science topics for an audience of 8,700+ followers