

Rusty Roberts

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TECHNICAL SKILLS

Languages & Frameworks

TypeScript (6+ years) Python (6+ years) React (3+ years)
Angular (3+ years) Node.js (3+ years) Express (3+ years)

Architecture & Design

RESTful APIs (6+ years) Event-Driven Architecture (2+ years)
Database Design (3+ years) Microservices (2+ years)

Data & Storage

PostgreSQL (6+ years) ETL Pipelines (3+ years)
BigQuery (3+ years) Redis (3+ years) ORMs (6+ years)

Platform & Operations

Google Cloud (3+ years) AWS (3+ years) IaC (4+ years)
CI/CD (6+ years) APM (6+ years) Docker (6+ years)

WORK EXPERIENCE

Senior Software Engineer, Lead

LevelTen Energy, Seattle, WA (April 2024 – August 2025)

- Served as technical lead for scrum team of eight engineers, building company's core domain service and establishing engineering standards that were adopted across all teams in the organization
- Led design and implementation of platform modernization from monolithic to microservice architecture using domain-driven design principles, defining service boundaries and event-driven communication patterns
- Drove frontend performance optimization initiative, implementing code splitting, lazy loading, and caching strategies to reduce page load times by over 50%, enhancing user experience across the platform

Software Engineer

LevelTen Energy, Seattle, WA (September 2022 – March 2024)

- Collaborated on design and implementation of customizable forms feature for largest enterprise client, contributing to a 4x increase in the client's platform engagement; built as reusable platform capability that expanded to several key customers
- Executed company-wide authentication modernization, migrating 100% of customer base to Okta authentication with SSO and MFA capabilities, enhancing security posture while maintaining zero downtime during phased rollouts
- Designed and implemented full-stack feature for customers to upload private forecast models for pricing analysis, collaborating with data engineering to integrate across web and analytics platforms

Scientific Programmer

Texas Water Development Board, Austin, TX (December 2019 – September 2022)

- Built new features for a public-facing data visualization platform serving tens of thousands of users, implementing interactive dashboards and geospatial mapping capabilities
- Worked with hydrologists and environmental scientists to develop hydrographic and geographic software applications, including major feature upgrades to a depth sounding analysis system for estimating reservoir volumes
- Contributed new features and bug fixes to open-source hydrology and climatology packages integral to the scientific community

Graduate Research Assistant

The University of Texas at Austin, Texas Materials Institute (2016 – 2019)

- Developed Python applications for analysis of large experimental datasets, automating ETL pipelines and creating interactive visualizations
- Conducted research on emerging 2D materials for electronic devices, investigating novel material properties and device architectures

EDUCATION

M.S.E., Materials Science and Engineering • The University of Texas at Austin (2019)

B.S., Materials Science and Engineering • Columbia University (2014)

B.A., Natural and Mathematical Sciences • Whitman College (2014, Dual-degree program with Columbia University)