Rusty Roberts

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TECHNICAL SKILLS

Languages & Frameworks

Python (5+ years) | TypeScript (5+ years) | Node.js (3+ years)
Express (3+ years) | Angular (3+ years) | React (2+ years)

Architecture & Design

RESTful APIs (5+ years) | Event-Driven Architecture (2+ years)
Domain-Driven Design (2+ years) | Microservices (2+ years)

Data & Storage

PostgreSQL (5+ years) | Sequelize ORM (3+ years)
Redis (3+ years) | BigQuery (3+ years) | Airflow (3+ years)

Platform & Operations

Google Cloud (3+ years) | AWS (3+ years) | Docker (5+ years)
Ansible (3+ years) | Pulumi (1+ year) | DataDog (2+ years)

WORK EXPERIENCE

Senior Software Engineer, Lead
LevelTen Energy, Seattle, WA (April 2024 – August 2025)

- Designed platform modernization from monolithic to microservice architecture using domain-driven design principles, defining service boundaries and event-driven communication patterns
- Led scrum team of eight engineers, driving implementation of core domain service within new microservice architecture and establishing patterns adopted across other teams

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

- Collaborated on design and implementation of customizable forms feature for largest enterprise client; 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

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

- Led a small team to develop and maintain Water Data for Texas, a public data repository and visualization tool for the state's water resources, while supporting cloud infrastructure for web, database, and auxiliary services
- Contributed to open-source geographic and hydrographic software packages

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

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

Engineering Writer
Glosten, Inc., Seattle, WA (2014 – 2016)

- Wrote and edited technical documentation, specifications, and marketing materials for marine engineering projects
- Established company-wide communication standards by authoring comprehensive style guide, improving consistency across all client deliverables

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)