

JARON ROSENAU

Implementation Engineer / Developer Support Engineer

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SUMMARY

Implementation / Developer Support Engineer with a B.S. Computer Science degree expected June 2026 and hands-on experience building API-driven web products, backend services, cloud workflows, deployment runbooks, and production support tooling. Strongest at integrating services, debugging across frontend/backend/cloud boundaries, documenting systems, supporting users, and turning unclear requirements into working software.

TARGET ROLES

Implementation | Developer Support | Technical Support | Integration | Application Support | Customer Solutions

CORE SKILLS

Implementation & Support: API integration, customer onboarding, technical troubleshooting, bug reproduction, support escalation, runbooks, deployment documentation

Backend & Cloud: Python, TypeScript, Rust, Dart, REST APIs, auth, webhooks, Firebase, Firestore, Cloud Storage, Cloud Run

Data & Operations: PostgreSQL, Redis, schema migrations, indexing, NGINX, Gunicorn, Docker, Terraform, GitHub Actions

Quality & Documentation: pytest, smoke checks, lint/test/build pipelines, developer guides, setup docs, runbooks

EDUCATION

Oregon State University - B.S. Computer Science

Expected Jun 2026

Applied focus: Software Engineering and Systems Security

GPA: 3.23

TECHNICAL EXPERIENCE

Lab Assistant, Federal Work Study - Lane Community College

Sep 2023 - Dec 2023

- Built Flask services for internal workflows, including secure password reset functionality and lab attendance tracking.
- Implemented socket backends, automated email sending, and configuration management for repeatable operation.
- Supported practical software delivery in an academic lab environment, balancing security, usability, and maintainability.

Infrastructure Contributor, Volunteer - The Htmlcoin Foundation

May 2018 - May 2022

- Maintained and extended production distributed-node software across recurring upstream releases.
- Resolved merge/rebase conflicts across TypeScript/Node, Java, and Python repositories while preserving compatibility across client-facing tooling.
- Operated Linux web services and authored repeatable deployment and operations procedures for production support.

PROJECTS

QuestByCycle - Production bicycling platform

- Built and operated a public Flask/Vite platform with authentication, quests, badges, leaderboards, PostgreSQL, Redis, and Debian Linux deployment.
- Owned API design, server configuration, NGINX/Gunicorn deployment, maintenance, documentation, pilot feedback, and 100+ user operations.

Moonshine Art - Marketplace implementation case study

- Built private marketplace architecture with Flutter web, Firebase/Firestore, Stripe Connect, checkout/webhooks, Gelato fulfillment, moderation/admin tooling, support workflows, and Cloud Run/Firebase deployment.
- Designed buyer checkout, seller onboarding, fulfillment, admin, support, and compliance flows across frontend, backend, and cloud services.

CrowdPM Platform - Firebase/TypeScript air-quality platform

- Built TypeScript/Firebase PM2.5 monitoring stack with cloud data ingest, real-time map visualization, CI/CD quality gates, demo deployments, and smoke checks.

DripCopy - Linux reliability utility

- Built a fault-tolerant Bash copier for unreliable optical-media/USB workflows with resumability, atomic writes, retry/remount behavior, deduplication, rate limiting, and structured logs.

RECOGNITION

U.S. Department of Energy responsible disclosure acknowledgment.