

Technical Skills

Languages JavaScript, Python, SQL, Lua, Bash**Front-End** React, Angular, HTML, CSS**Back-End** NodeJS, REST APIs, Java**Databases** MS SQL Server, MySQL/MariaDB**Infrastructure** Docker, Proxmox VE, Linux (RHEL/Ubuntu), Nginx, Ansible, CI/CD, Azure, Jenkins, WireGuard, OAuth/SSO**Specializations** LLM Integration, IoT (ESP32), Home Automation

Work Experience

BizFlow Corp.

Falls Church, VA (Remote)

SOFTWARE ENGINEER, SITE RELIABILITY ENGINEER

March 2021 - Current

SRE/OPERATIONS & MAINTENANCE | CLIENT: TRIWEST HEALTHCARE ALLIANCE

Dec 2022 - Current

- Spearheaded the successful migration of the AnchorPoint provider network application, used by 650 staff members, to an updated RHEL8 infrastructure, ensuring continued stability and performance.
- Performed root cause analysis on complex production issues, identifying and resolving system errors.
- Developed, tested, and deployed targeted bugfixes and critical feature enhancement to address client needs.

SOFTWARE ENGINEER | CLIENT: CENTERS FOR MEDICARE & MEDICAID SERVICES

May 2022 - Jan 2023

- Worked with the development and migration of HRITS(Human Resource Information Tracking System).
- Developed a workflow-based hiring process system with 500 users, leading to reduced manual data entry and increased efficiency in automated HR processes.

SOFTWARE ENGINEER | CLIENT: TRIWEST HEALTHCARE ALLIANCE

March 2021 - May 2022

- Led a team of two developers in the end-to-end development of Claims Management Tool (CMT), a financial reporting application serving 37 users in Finance & Claims departments.
- Independently designed, developed, and delivered the California Consumer Privacy Act (CCPA) application, enabling the company to process user privacy and data removal requests.
- Co-developed the Provider Reporting Tool (PRT), an external-facing application allowing medical providers to request and receive custom claim status reports via integration with Availity.

Appen Limited

Yuma, AZ

ANALYST - CONTRACTOR

Apr 2017 - Aug 2020

- Developed and implemented code modifications under a strict NDA to directly influence the display logic and ranking of content within a live social media feed for a major tech client.

Projects

BICKERING AGENTS CONTROL MY HOUSE: [HTTPS://E.CIVV.ES/LLM-1](https://e.civv.es/LLM-1)

- Designed and prototyped a distributed IoT sensor network using ESP32s to collect real-time environmental and behavioral data. The core feature is a multi-agent AI engine where distinct LLM-powered personalities collaboratively analyze data streams, debate actions, and generate proactive home automation and wellness insights.

WINTERMUTE : [HTTPS://E.CIVV.ES/WINTERMUTE](https://e.civv.es/WINTERMUTE)

- Wintermute is an IRC bot (200+ active users) leveraging ChromaDB vector embeddings and multi-LLM architecture to deliver culturally-adapted, context/topic-aware responses from historical chat analysis

AUTONOMOUS DEPENDENT STATES : [HTTPS://E.CIVV.ES/ADS](https://e.civv.es/ADS)

- A popular grand strategy game mod for CK2 with over 3500 active users & a 5-star rating on Steam Workshop; developed using Lua & Paradox scripting language.

PERSONAL DEVOPS & INFRASTRUCTURE LAB (HOMELAB)

- Architected and manage a bare-metal private cloud, running 110+ containerized services using Docker to provide a suite of services including git hosting, SSO authentication, and a full media automation stack, secure remote access (WireGuard), and a testbed for DevOps methodologies.

Education

ARIZONA WESTERN COLLEGE

| A.S. IN COMPUTER SCIENCE, 2022

Yuma, AZ

WESTERN GOVERNORS UNIVERSITY

| B.S. IN COMPUTER SCIENCE, 2025

Millcreek, UT