

Michael Gilson

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EDUCATION

B.Sc. Computer Science — Arizona State University

2019 – 2023

Magna Cum Laude · 3.8 GPA in technical coursework

SKILLS

Python · Java · C/C++

JavaScript · TypeScript

SQL · HTML/CSS

React · Node.js

Linux (Debian, Ubuntu, Arch)

Bash · Shell Scripting

Git · CI/CD · REST APIs

Windows · System Admin

Networking · TCP/IP

Hardware · Workstation Builds

TrueNAS · Server Config

Troubleshooting · Diagnostics

TECHNICAL SUMMARY

Computer Science graduate with hands-on experience across software development, IT operations, and Linux system administration. Five years of professional experience building and maintaining custom workstations, configuring networks and servers, and providing end-to-end technical support. Comfortable with AI-augmented development tools (Claude, Cursor, GitHub Copilot) and shipping production software across the full stack.

EXPERIENCE

Founder & Principal Technician — Desert Computing LLC

Feb 2019 – 2024

- Founded and operated an IT services company providing custom workstation builds, network configuration, Linux server deployment, and on-site hardware support for local businesses
- Configured and deployed TrueNAS network storage servers and managed office network infrastructure including routers, switches, and shared drives
- Contracted by Highform Inc. to design and build small form factor VR machines; retained for ongoing hardware and software maintenance
- Diagnosed and repaired hardware and software issues across Windows and Linux systems, including specialized medical equipment for a veterinary clinic
- Managed concurrent client contracts end-to-end, from requirements gathering and technical scoping through delivery, documentation, and ongoing support

Partner & Head of Product — Gamer Soap

Feb 2024 – 2026

- Co-founded a consumer products company; designed and built the full e-commerce platform from scratch using Shopify, including storefront, checkout flow, and inventory management
- Handled daily operations including customer service, ad and graphic design, marketing strategy, and negotiating brand partnerships
- Surpassed \$100,000 in gross sales within the first year through strategic content creator marketing partnerships and data-driven campaign optimization

PROJECTS

Word99 — Real-Time Multiplayer Word Game

Production · word99.io

TypeScript · React · Node.js · Socket.io · Stripe · Firebase · Railway CI/CD · 224 commits

- Full-stack multiplayer web game supporting 99 concurrent players with server-authoritative logic, real-time WebSocket networking, and Stripe premium subscriptions
- Designed and shipped end-to-end: game logic, dynamic matchmaking, user authentication, payment integration, and automated CI/CD deployment on Railway
- Engineered for performance: 79KB gzipped bundle, sub-2-second load times, and under 200ms cross-region latency

Pilly — iOS Medication Tracker

In Development

Swift · SwiftUI · CloudKit · StoreKit · Xcode · 53 commits

- Native iOS app with AI-powered medication scanning, push notifications, and cross-device data sync via CloudKit; built Apple Watch companion and home screen widget
- Integrated StoreKit for in-app purchases and designed the full user experience from onboarding through daily usage

Perfectly Paired Pets — Business Website

perfectlypairedpets.com

HTML · CSS · JavaScript

- Designed and developed a responsive business website from scratch, handling layout, branding, image gallery, and content structure