

ELIJAH CAMP

Full Stack Developer | Production Systems Architect | Accessibility Specialist

7 Years Behavioral Health → Database Engineering → AI Development

Denver, Colorado, United States

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PROFESSIONAL SUMMARY

Full-stack developer with 7+ years of coding experience and proven ability to architect and deploy production systems. Built and maintained critical infrastructure serving 200+ users with 99.9% uptime while completing Computer Science degree. Unique combination of advanced database administration, accessibility expertise (WCAG 2.1 certified), and 7 years behavioral health background working with autistic children. Rapid learner who ships complete solutions - deployed production library system from scratch when commercial solution failed, built autonomous AI system in 2 weeks, created functional e-commerce platform in 1 week. Currently seeking full-stack or backend engineering roles in mission-driven organizations focused on healthcare technology and accessibility.

TECHNICAL EXPERTISE

Languages & Frameworks: Python, JavaScript, SQL, HTML/CSS, React, Node.js, Express, jQuery, C++, Java, Perl, PHP, Bash

Databases & Data: MySQL/MariaDB (triggers, stored procedures, events, optimization), PostgreSQL, MongoDB, ChromaDB (vector databases)

AI/ML & Libraries: PyTorch, LLM integration (Llama, Mistral models), Transformers (Hugging Face), Moondream (computer vision), Librosa, NumPy, OpenCV

Cloud & Infrastructure: AWS (EC2, RDS, S3), DigitalOcean, Linux administration (Ubuntu), Nginx, Docker, Git/GitHub

Specializations: Healthcare accessibility (WCAG 2.1 AA), RESTful API development, database architecture, Koha ILS administration, full-stack web development, production system deployment, Strapi CMS

PROFESSIONAL EXPERIENCE

Database Administrator & Full Stack Developer Denver, CO
Center for Innovative Design & Engineering (CIDE), University of Colorado Denver May 2024 – Present

- Architected and deployed production Koha library management system (cidelibrary.com) from scratch, serving 200+ active users with 99.9% uptime for 18+ months when organization's commercial solution failed on launch day
- Administer complete database infrastructure independently: MySQL schema design, triggers, stored procedures, scheduled events, query optimization, backup/recovery, and security
- Built automated workflows eliminating 20+ hours/week of manual processes: email notification systems, patron engagement surveys, hold management, and circulation automation using MySQL events and triggers

- Developed custom frontend modifications using JavaScript/jQuery for accessibility compliance (WCAG 2.1 AA) - semantic HTML, ARIA attributes, keyboard navigation, screen reader compatibility
- Integrated REST APIs for library metadata (Z39.50 protocol, OAI-PMH harvesting), real-time circulation updates, and patron management
- Manage Linux server infrastructure (Ubuntu, Nginx), database backups, system monitoring, and production deployments
- Resolved complex technical issues requiring custom feature development (patron hold limits, automated notifications, survey distribution) while maintaining system stability

Accessibility-Driven Full Stack Engineer (Volunteer)

United Rocks Community Organization

Englewood, CO
January 2024 – Present

- Building accessible technology solutions for underserved communities
- Implementing WCAG-compliant interfaces for individuals with disabilities, applying behavioral health expertise to understand user needs

Frontend Developer & Accessibility Specialist

Tech for Tykes Educational Technology

Denver, CO
May 2023 – August 2024

- Developed accessible educational technology for children with diverse learning needs
- Created user interfaces optimized for accessibility and usability
- Conducted WCAG compliance audits and implemented remediation strategies

I.T. Support Specialist

University of Colorado Denver

Denver, CO
November 2023 – March 2024

- Provided technical support for university systems and infrastructure
- Resolved complex technical issues for faculty and students

Behavioral Health Therapist

Various Healthcare Organizations

Colorado & Texas
2014 – 2021

- Delivered 7 years of Applied Behavior Analysis (ABA) therapy to children with autism, including non-verbal individuals
- Managed crisis situations requiring quick decision-making and problem-solving under pressure
- Maintained detailed documentation in compliance with healthcare regulations (HIPAA, state requirements)
- Developed deep understanding of reinforcement learning principles, behavioral pattern recognition, and human-centered design
- Brought art therapy programs to orphanages in India and Kenya (international humanitarian work)

KEY PROJECTS

Aurora - Autonomous AI Artist

elijahsylvan.github.io/aurora_ai

- Built complete autonomous AI system in 2 weeks using PyTorch, custom LLM integration (Llama, Mistral), and behavioral reinforcement principles from therapy background

- Implements emotional modeling, self-modifying code, 5,000+ memory system with embeddings, computer vision (Moondream), and real-time sound synthesis using operational coding
- Creates art 24/7 using genetic algorithms for pattern evolution, multi-grid vision system (ASCII for color, depth maps, shape recognition), and adaptive learning from visual feedback
- Demonstrates advanced AI/ML capabilities: multi-model integration, behavioral learning systems, autonomous decision-making, and continuous operation

Professional Art Portfolio & E-Commerce Platform

elijah-sylar.com

- Professional painter with 17 original acrylic & ink paintings (\$55 - \$1,660) showcasing artistic skill and creative vision
- Built complete e-commerce website from scratch in 1 week: React frontend with custom hooks (useState, useCart), Strapi CMS backend, AWS deployment, full shopping cart functionality with payment integration
- Demonstrates full-stack capabilities, rapid development, design expertise, and business acumen
- Deployed on DigitalOcean with Nginx configuration and custom gallery management system

EDUCATION

Bachelor of Science in Computer Science

University of Colorado Denver

GPA: 3.7 | Senior standing (18 credits remaining)

Denver, CO

Expected: May 2026

Associate of Arts

Houston Community College

Houston, TX

August 2014 – December 2016

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

WCAG 2.1 Accessibility Certification | Foundations of Diversity, Equity, Inclusion, and Belonging | Customer Service Foundations | Problem-Solving and Troubleshooting | Building Rapport with Customers | Call Control Strategies

UNIQUE VALUE PROPOSITION

Behavioral Health + Technical Expertise: 7 years working with nonverbal autistic children provides deep understanding of accessibility needs, assistive technology, and human-centered design that most developers lack. This unique combination makes me exceptionally valuable for healthcare technology roles.

Production Systems Experience: Solo-deployed and maintained mission-critical infrastructure serving 200+ users while completing degree - demonstrates self-direction, problem-solving, and ability to deliver under pressure.

Rapid Learner: Built Aurora AI (autonomous system with PyTorch, LLMs, computer vision) in 2 weeks and functional e-commerce platform in 1 week - proves ability to master new technologies quickly and ship complete solutions.

Artist + Engineer: Professional painting background provides rare combination of creative vision, design sensibility, and technical implementation skills - understand both aesthetics and architecture.