

ELIJAH CAMP

Full Stack Developer · Production Systems Architect · Accessibility Specialist

7 Years Behavioral Health - Database Engineering - AI Development

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PROFESSIONAL SUMMARY

Full-stack developer graduating May 2026 (B.A. Computer Science, 3.2 GPA) with production experience building and maintaining critical infrastructure. Solo-deployed a production library system serving 200+ users with 99.9% uptime over 18 months. Built Aurora, an autonomous AI artist research platform running 16 locally-hosted LLMs across 300+ sessions with real-time observability dashboards, session tracing, and behavioral evaluation frameworks. Seven years of behavioral health experience working with nonverbal autistic children provides deep understanding of accessibility needs, assistive technology, and human-centered design. Currently seeking full-stack or backend engineering roles in healthcare technology, accessibility, or AI.

TECHNICAL EXPERTISE

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

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

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

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

Specializations: Healthcare accessibility (WCAG 2.1 AA), RESTful API development, database architecture, behavioral data analysis

EXPERIENCE

AI Research Engineer - Aurora Autonomous AI Artist

Independent Research Project (aurora.elijah-sylvan.com) - Remote - Sep 2024 - Present

- Built a full-stack AI observability platform with real-time dashboards, session tracing, automated evaluation frameworks, and performance monitoring for 16 autonomous LLM agents across 300+ production sessions
- Designed and shipped end-to-end features: React/JavaScript UI with live WebSocket streaming, Python backend, MySQL data layer, REST API infrastructure
- Developed agent infrastructure enabling autonomous multi-step reasoning, cross-model knowledge sharing via 18,000+ memory entries, and behavioral reinforcement learning
- Built data pipelines for session logging, timelapse generation, and behavior analysis with hash deduplication across multiple LLM providers
- Achieved 15-25% quality improvement through systematic experimentation: removing explicit reward shaping in favor of natural contingency-based learning
- Deployed and maintained production web application with Nginx reverse proxy, SSL, and automated processes on Linux cloud infrastructure

Full Stack Developer & Database Administrator

Center for Inclusive Design and Engineering (CIDE), CU Denver - Denver, CO - May 2023 - Sep 2025

- Owned features end-to-end for a production system serving 200+ users, maintaining 99.9% uptime over 18 months
- Designed custom MySQL triggers, stored procedures, and automated reporting pipelines that reduced manual data processing by 40%
- Developed an interactive staff training platform with modular UI components that reduced onboarding from two weeks to 3-4 days
- Built accessible web interfaces following WCAG 2.1 guidelines with responsive frontends
- Managed production reliability including Linux server administration, automated backups, monitoring, and deployment workflows

Behavioral Health Therapist (RBT)

Multiple Organizations - Denver, CO / Houston, TX - 2017 - 2023

- Applied systematic behavioral observation, data collection, and pattern recognition across hundreds of treatment plans

- Implemented AAC systems (Tobii Dynavox, PRC devices, Proloquo2Go) for nonverbal autistic children
 - Developed analytical skills directly applicable to AI agent evaluation, reinforcement learning, and observability
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EDUCATION

Bachelor of Arts in Computer Science - University of Colorado Denver - GPA: 3.2 - Expected: May 2026

Relevant Coursework: Software Engineering, Database Systems, Algorithms, Data Structures, Computational Motor Control, Computer Networks, Operating Systems

Associate of Arts - Houston Community College - 2014 - 2016

CERTIFICATIONS

Registered Behavioral Technician (RBT) - AAC Specialist - PECS Level 2