

G. Jake Gunnell

702.237.6539 | gunnjakeim@gmail.com | linkedin.com/in/gary-jake-gunnell | jakegunnell.com

Full-stack software engineer experienced building production applications using Python, FastAPI, React, PostgreSQL, and AWS with focus on backend APIs, data pipelines, and scalable cloud systems.

EDUCATION

Bachelor of Science, Information Systems

Apr 2027

Software & Systems Development Emphasis, STEM-Certified Technical Program
Brigham Young University - Marriott School of Business, Provo, UT

- GPA: 3.70
- Relevant Coursework: Database Systems, Enterprise Application Development, Business Programming, Systems Design, Data Communications, IS Security & Controls, Machine Learning

TECHNICAL SKILLS

Artificial Intelligence (AI): generative AI (ChatGPT, Copilot, Cursor)

Programming Languages: Python, JavaScript, SQL, Java, HTML, CSS

Frameworks & Libraries: FastAPI, Node.js, Express, React, Flask, Next.js

Backend & APIs: RESTful APIs, API Design, Authentication, Authorization, Data Pipelines

Databases: PostgreSQL, SQLite, Database Design, Query Optimization

Cloud & DevOps: AWS (EC2, RDS, S3), Docker, Nginx, Linux, GitHub Actions, CI/CD

Data & Analytics: Polars, Plotly, Machine Learning, Data Pipelines, Tableau, Power BI

Certifications: Professional Scrum Master I (PSM I), Scrum.org — 2026

PROJECT EXPERIENCE

- **Huus Cleaning Platform | 2025:** Built a full-stack web application using Node.js, Express, PostgreSQL, and Tailwind, implemented backend routing and admin workflow
- **Ella Rises Nonprofit Platform (INTEX) | 2025:** Built a full-stack, multi-role web platform using Node.js, Express, PostgreSQL, AWS, and Nginx with role-based authentication, dashboards, and event registration
- **EY Technology Risk Case Competition | 2025:** Analyzed system logs, penetration test results, and network diagrams to recommend technology risk mitigations
- **Algorithmic Trading Bot | 2025:** Developed a Python-based trading system utilizing regression analysis to predict price movements for specific cryptocurrency assets, achieving a ~12% backtested return

EXPERIENCE

Full-Stack Software Engineer

Sep 2025 – Present

BYU Silver Fund – Student Investment Fund, Provo, UT

- Developed and maintain a production full-stack web platform using FastAPI, React, PostgreSQL, and Polars
- Designed RESTful API endpoints enabling portfolio analytics, reporting, and financial data exports
- Architected Python ETL pipelines using Polars to automate financial data processing and improve backend performance
- Built and optimized React frontend components while resolving API integration and data consistency issues
- Managed application secure configurations using environment variables, ensuring seamless transitions between production and staging

IT Service Desk Technician

Aug 2025 – Nov 2025

BYU College of Life Sciences, Provo, UT

- Diagnosed and resolved hardware, software, and network issues across Windows, macOS, and Linux systems
- Supported 200+ users through Halo CRM ticketing system while maintaining system uptime and reliability
- Documented troubleshooting workflows and technical procedures to improve issue resolution consistency and training

Technology Support Intern

Jun 2025 – Aug 2025

Nye County School District, Pahrump, NV

- Installed and configured Aruba network switches and infrastructure across multiple school sites
- Managed user accounts, system backups, and routine IT maintenance
- Created technical documentation and onboarding guides for IT operations

Volunteer Representative - Tagalog & English Proficiency

Jun 2022 – Jun 2024

The Church of Jesus Christ of Latter-day Saints, Philippines

- Led teams of up to 12 individuals in goal-setting and leadership, coordinated service projects in under-developed communities

OTHER SKILLS

- Eagle Scout, Boy Scouts of America - Aug 2019
- Varsity, Club, and Travel Lacrosse teams
- Enjoy working out, watching college basketball, researching stocks, crypto, and real estate