

# Kevin Siraki

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## Relevant Experience

### IT, Multimedia Technology Lead | Glendale Unified School District

9/2022 – Present (Google Workspace, Azure Active Directory, GP, MS Powershell, Bash)

- Configured Group Policy with Active Directory for network devices with the Principle of Least Privilege in mind.
- Co-trained instructors in creating engaging lessons using Google Workspace and educational software.
- Resolved an average of 100 inquiries weekly with a ~95% resolution rate, ensuring timely ticket resolution.
- Revived non-functional systems, resulting in a 30% reduction in e-waste and cost savings for the District.
- Automated recurring tasks such as printer configuration with Batch/Bash scripts, elevating productivity by 15%.
- Formulated comprehensive documentation to guide coworkers on technical procedures and security awareness.
- Conducted system inspections and configured intrusion detection systems (IDS), reducing downtime significantly.

### Full Stack Developer | Freelance

1/2019 – Present

#### IoT Environment Analysis API 1/2024 – Present (Java SpringBoot, MySQL, Redis, C++, Maven)

- A dynamically navigable REST API strictly adhering to HATEOAS principles; Thoroughly tested with J-Unit.
- JSON payloads sent from ESP32s connected to DHT11 sensors are stored in a MySQL database.
  - Combined schema normalization, Redis, and pagination to provide a quick response time for clients.
  - Mitigated data redundancy and dropped API response latency by ~50 ms per 100 KB response size.
- Features endpoints for statistical metrics and data analysis with comprehensive Swagger documentation.

#### SCK 7/2022 – Present (MongoDB, Express.js, Angular 17, Node.js, Python, Socket.io)

- Revamping a live notification system into a scaffold for social media, aligning features via Agile methodologies.
- Utilizing MongoDB Atlas with sharding to transform a monolith into horizontally scalable microservices.
  - MongoDB sharding and LRU cache implementation decreased profile picture load times by 90%.

#### Don't Trip 1/2021 – 5/2022 (Ubuntu, Nginx, MariaDB, PHP, Bootstrap, J-Query, Google Maps API)

- Led a team of 2 developers to create a platform agnostic road trip planner and landmark discovery platform.
  - Generates personalized curated travel plans ("Tesla EV Charging Stations on the way to Palo Alto, CA").
- Integration of Yelp API for localized place ratings drove over 1500 unique page visits during the launch month.
  - Average session duration of 4.5 minutes, primarily from CSUN's professors and academic community.
- Implemented industry-grade security: 2FA, hashing, email verification, proxy detectors, and DDOS protection.
- Integrated third-party SSO options for authentication as well as JSON web tokens to replace sessions.
- Managed Agile development with Git, Jira, and Docker whilst utilizing PHPUnit for robust backend unit testing.

### Systems Integrator | Freelance

5/2018 - 11/2020 (Assembly, Linux Bash, C, Python)

- Built and upgraded 100+ systems; Met specifications of 48+ clients within tight budget and time constraints.
- Utilized equipment like multimeters, oscilloscopes, and EEPROM programmers for precise debugging.
- Developed a software suite for CPU, FPU, and RAM stability testing in C, PowerShell, Python, & Bash.
  - Contributed to open-source core-by-core test software for AMD Zen 3 architecture (corecycler by sp00n).
  - Achieved a 100% system stability rate, resulting in 0 reported system failures after deployment.

## Education

### Computer Science B.S. | California State University Northridge | 3.95 GPA - **Magna Cum Laude**

8/2020 - 5/2022

- Awarded 2 Northrop Grumman Foundation CECS Scholarships for excellent academic achievement and essay.
- Built Java\_C, a compiler (lexer, parser, and typechecker) featuring OOP, bounds checked arrays, and subtyping.

### Computer Science Transfer | Glendale Community College | 3.70 GPA - **Dean's List**

8/2017 - 6/2020

- Part-time Data Structures and Algorithms tutor; Students made significant grade improvements by finals.
- Showcased my 6502 breadboard computer on YouTube, garnering thousands of views, likes, and interactions.

## Notable Skills

- **Languages:** JavaScript, TypeScript, Python, PHP, Java, C#, Dot.net, C, C++, Assembly
- **IoT/Embedded Systems:** WebSockets, Circuit Design, MQTT, Sensors, FreeRTOS, I2C, SPI, LPO, BLE
- **Backend:** Node.js, Express.js, Laravel, SpringBoot, REST, GraphQL, WebHooks
- **Databases: RDBMS:** MySQL, MariaDB, PostgreSQL. **NoSQL:** MongoDB, Redis, Apache Cassandra
- **DevOps:** Linux, Ngnix, Apache, AWS, Azure, Docker, Kubernetes, Git, Ansible, Jenkins, CI/CD
- **Frontend:** HTML, CSS, SASS, jQuery, Bootstrap, Tailwind, Blade, Vue, React, Angular, Next, Flutter
- **Misc:** MS Office, Bash/PS, Crontab, Automation, TDD, Agile, Jira, Networking, Systems Security, Firewalls