McLain Cronin

cronin97@gmail.com • mclain-cronin.netlify.app • GitHub.com/mclaincronin

Skills

- Programing languages: Python, Java, JavaScript, TypeScript, SQL, CSS, HTML
- Web Development: React.js, Next.js, Express.js, SvelteKit, Node.js, Firebase, Tailwind CSS, Stripe, Zustand
- Databases: PostgreSQL, MongoDB, NoSQL, Snowflake, MS Access
- Cloud Platforms: Azure, AWS, Google Cloud, Cloud-Native Solutions

Projects

- **Moodi**
  - A web app that tracks daily moods and trends, featuring a responsive design for mobile and desktop users.
  - Implemented a CRUD-based backend with Firebase for real-time database operations and secure user authentication, using Next.js and TailwindCSS for the responsive user experience.
- **Zen API**
  - A functional API marketplace which allows users to purchase a single-use or subscription-based access to an API.
  - Developed a RESTful API with Node.js and Express.js, integrating Stripe for payments and Firebase for API key management.

Professional Experience

- **Project Analyst at Southern California Edison, (September 2023 - Present), Remote**
  - Developed and maintained Python-based scripts and PostgreSQL queries to automate and streamline data validation workflows, contributing to scalable applications.
  - Leveraged cloud platforms like Azure and Snowflake to optimize data pipelines, ensuring accessible, well-documented datasets for analysis and cross-functional use.
  - Collaborated with engineering teams using Agile methodologies and and remote collaboration tools to deliver cloud-based solutions, reducing project timelines by 15%.
  - Implemented structured data storage systems using SQL and NoSQL databases, enhancing stakeholder transparency and API integration for cross-functional use.

- **Data Analyst at Coffee Break Solutions, (May 2020 – September 2023), Remote**
  - Designed and deployed Power BI dashboards integrated with AWS-hosted databases, delivering real-time data insights that improved decision-making by 15%.
  - Created backend APIs using Node.js to facilitate seamless data integration with JavaScript frontend visualizations.
  - Utilized Python, SQL, and JavaScript for advanced data manipulation, ETL processes, and API-based automation.
  - Built and maintained PostgreSQL databases for analytical applications, reducing processing time by 12%.
  - Presented actionable insights to clients using React.js and TailwindCSS interfaces, demonstrating full-stack development capabilities through interactive data presentation components.

- **Business Support Assistant at Cornerstone 3 LLC, (January 2017 - July 2020), St. Paul, MN**
  - Designed and deployed internal CRM tools, leveraging JavaScript for streamlined client management and tracking.
  - Improved financial reporting accuracy by integrating dynamic Excel templates with SQL storage solutions.
  - Automated reporting processes using Python and advanced Excel macros, boosting team efficiency.

- **Field Radio Operator in U.S. Marine Corps, (2015 - 2016), Camp Pendleton, CA**
  - Maintained radio equipment and logs, ensuring reliability and data integrity under a Secret Security Clearance.
  - Adapted to high-stakes environments, ensuring reliable radio operations and clear communication while adhering to strict confidentiality protocols.

Education

- **Arizona State University, Tempe, AZ, (2017 - Present)**
  - B.S. in Computer Science / 120+ Credits Completed / Expected Graduation Date: May 2026
  - Relevant Coursework:
    - Web Development (JavaScript, React.js, Next.js Node.js, HTML CSS)
    - Data Structures (Java, Python)
    - Database Systems (SQL, NoSQL, PostgreSQL, MongoDB)
- **Certifications**
  - Master JavaScript, Udemy (2023)