Brandon Cunningham
Software Developer

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PROFESSIONAL EXPERIENCE

PAYCHEX   **Remote - Rochester, NY**
Software Developer III   **March 2021 - Present**

Contribute to the external API organization, focusing on full-stack feature development for Paychex FLEX and ongoing enhancements to the external API (https://developer.paychex.com/).

- **Kafka Consumer:** Developed a Kafka consumer to monitor product changes across all Paychex clients, automating the onboarding of new third-party integrations. This solution efficiently processes over 100,000 messages daily
- **Splunk Log Cost Savings:** Conducted a comprehensive analysis of external API services to identify log reduction opportunities, leading to a $250k annual cost savings. Optimized by removing redundant logs, combining logs, and addressing security vulnerabilities, reducing log volume by 30GB daily.
- **Paychex Perks:** Developed core logic enabling over 1 million Paychex users to view, opt into, and engage with offerings in Paychex Perks, contributing to its recognition as the top HR product of the year:
  https://www.paychex.com/newsroom/news-releases/paychex-flex-perks-2024-top-hr-product-of-the-year
- **Endpoint Optimization:** Improved performance for our worker endpoints for large clients by 80% by implementing a Oracle Coherence Cache (Similar to Redis) to save on redundant service calls as a partner pages through a client's workers
- **Full Stack Refactor:** Refactored code for displaying third-party integrations requiring worker consent, transitioning from config and locale files to a database-driven solution. This change reduced the development time for new partner integrations by 80%, eliminating the need for code releases with each new partner
- **Incident Management:** Built strong cross-departmental relationships to efficiently resolve partner incidents, significantly reducing time-to-resolution across multiple teams for the external API, Paychex's primary gateway for third-party integrations
- **Feature Switch Service:** Designed and implemented a feature switch service dedicated to the external API, decoupling feature toggling from company-wide code releases. This service enables on-demand REST calls to activate or deactivate features specifically within the external API environment.

PROJECTS

ARCHBULDS.COM (2024)
Web app website builder with a ChatGPT integration for content. Using the ChatGPT API to generate content and pairing that with prebuilt template sections - Arch Builds is able to create modern looking websites within minutes and host them through a Cloudflare CDN.

FIGHTCARD.IO (2024)
Web app to allow smaller MMA promotions to host a fight card for their events

EBAY ONLINE RETAIL ARBITRAGE DROPSHIPPING (2019-2024)
Custom software powered side hustle that sold items from online retailers on eBay. Selling over $2.5mil in product over the course of 5 years. Utilized the eBay API, web scraping and selenium automation to achieve that.

SKILLS

- Languages, Frameworks and Databases
  - Java | Javascript | Typescript | HTML/CSS | SQL | MongoDB | OracleSQL | PostgreSQL
  - Spring Boot | Angular | React | Nginx | Gradle
- Tools and Services
  - Docker | Splunk | Cloudflare | Digital Ocean | MongoDB Atlas | Kafka | Git | Linux | Selenium