

Skills

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

Frameworks and Tools: Django, React, Node.js, MySQL, MongoDB, Redis, Git, Elasticsearch, RabbitMQ, Docker

Experience

Senior Software Engineer, Forcepoint

October 2021—Current

San Jose

- Architected and implemented a high-performance webhooks system replace polling-based monitoring, monitoring real-time changes across cloud storage platforms, resulting in 40% faster threat detection.
- Designed and maintained a horizontally scalable scanning architecture using Docker containers and RabbitMQ, automatically scaling containers during peak loads.
- Optimized analytics dashboard performance by implementing Elasticsearch aggregations and Redis caching with 5-minute polling intervals, reducing average query time from 3s to 200ms for real-time security metrics visualization
- Mentored junior engineers through architectural design reviews and code reviews, resulting in fewer production incidents and improved team velocity through knowledge sharing and best practices
- Bitglass was acquired by Forcepoint in October 2021; aforementioned Bitglass-related responsibilities carry over.

Software Engineer, Bitglass

January 2020—October 2021

Campbell

- Developed and maintained enterprise-grade Data Loss Prevention systems, processing and analyzing 10M+ objects per day across multiple cloud platforms.
- Redesigned the security API architecture to enhance monitoring capabilities and implement comprehensive access tracking.
- Built notification system integrated with analytics dashboards, providing real-time security alerts and insights.

Software Engineer, WisdomWin Quant Technology

January 2016—September 2017

Taipei

- Engineered an intuitive frontend user interface using Vanilla JavaScript, jQuery, and AngularJS for financial modeling and investment strategies analysis in the Taiwan stock market, emphasizing user-friendly data visualization.
- Dramatically enhanced API efficiency by optimizing the algorithm, achieving a 300% performance increase.
- Developed a robust Python web crawler that autonomously processes over one million stock market transactions daily into MongoDB/MySQL, streamlining data collection and analysis.

Educations

Master of Science in Computer Science

University of California, Davis

2019

Bachelor of Science in Biology

National Taiwan University

2017