

David Kwon

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WORK EXPERIENCE

AnChain.AI Inc.

San Jose, CA

Full Stack Software Engineer

July 2023 - May 2024

- Spearheaded the comprehensive refactoring of the “Web3 Security Operations Center” (WEB3SOC), leveraging a React framework to drive a 90% reduction in Mean Time to Detect, improving the scalability and real-time monitoring of smart contracts.
- Researched and implemented machine learning techniques, integrating Llama 3.1 model and vector databases to optimize, improve model accuracy by 20%, and achieve a 30% reduction in AI infrastructure costs.
- Designed and deployed a high-performance data API pipeline utilizing Flask, enabling the processing of over 2.22 million cryptocurrency addresses. This solution, showcased at the J5 conference, resulted in a \$15,000 cost saving and demonstrated the potential for large-scale data processing innovations.
- Integrated AI/ML models using TensorFlow and FastAPI to provide real-time recommendation analytics for user behavior, leading to a 37% increase in user retention.
- Engineered a robust documentation platform using React and AWS, achieving a 23.5% increase in user experience through.
- Architected a cost-efficient pipeline combining Mistral LLM and vector databases successfully processing 500,000+ narratives and slashing company AI expenditures by 58% monthly
- Streamlined “Web3SOC” product development workflow by integrating Jira and Confluence, improving sprint planning, task tracking, and communication across teams. This resulted in a 20% increase in on-time feature delivery and better project visibility.
- Automated the CI/CD pipeline using GitLab CI and Docker, reducing release cycle times by 30%. Streamlined build, test, and deployment processes for continuous delivery of new features and bug fixes, ensuring consistent environments and reduced errors.

Pacific Hackers Association

Sunnyvale, CA

Network Engineer Intern

May 2023 - July 2023

- Implemented network upgrades, including the configuration of new network switches, resulting in a 40 % increase in network capacity/performance.
- Configured and optimized Ubiquiti routers, integrating them with existing infrastructure to ensure secure WAN, LAN, and WLAN connectivity across remote sites, significantly enhancing network resilience and security.
- Orchestrated the installation and configuration of MAC and Windows servers, alongside the deployment of VoIP systems, improving organizational communication and reducing operational downtime.

Broth Co.

San Diego, CA

Data Analyst Intern

September 2021 - November 2022

- Developed a scalable data analysis tool using Django, identifying and leveraging trends in sales to boost profits by 8-13% and improve user experience efficiency by 10-13%.
- Enhanced data management by automating daily report generation through custom data scraping and scrubbing python scripts, increasing operational efficiency by 15% and enabling more accurate forecasting and decision-making.
- Devised an innovative inventory optimization algorithm, reducing waste by 8-10% and increasing sales by 5-7%, directly contributing to the company’s bottom line.

MobileOne LLC

Fremont, CA

Support Engineer/Technician

September 2015 - September 2016

- Resolved critical mobile and network issues, providing multi-channel support that achieved a 95% customer satisfaction rating, exceeding company benchmarks for customer service.
- Conducted comprehensive testing and quality assurance on both software and hardware integrations, minimizing post-installation issues and enhancing the overall user experience.
- Identified and addressed recurring technical challenges, working with the developer team to implement long-term solutions, resulting in a 12% reduction in known issues and improving system reliability.

SKILLS

Programming Languages: Python, JavaScript/TypeScript, SQL

Frameworks: Next.js, Next.js, Node.js, Docker, AWS, Tailwind CSS, Django, React, FastAPI

Databases: Milvus (Vector DB), MongoDB, Prisma, MySQL, PostgreSQL

Tools: Jira, Git, Docker, AWS (EC2, S3, Lambda, RDS), Soroban, TensorFlow, GitLab CI/CD, Azure

Certifications: Certified Appsec Practitioner (CAP), Web3SOC, AnChain.AI University

Languages: Korean, Spanish, English

EDUCATION

California State University, Long Beach

Long Beach, CA

Bachelor of Science, Computer Science

August 2022