Kevin Loc

Los Angeles, CA • (626) 863-5122 • loc.kevin8@gmail.com • linkedin.com/in/kevin-loc

EXPERIENCE

Amazon   October 2020 – August 2022
Software Development Engineer - Amazon Kids - Seattle, WA
- Reduced content metadata search turnaround time by 20% through implementation of ElasticSearch as a metadata querying service which is used throughout the Amazon Kids+ organization
- Elevated organization's earnings and marketing effort by creating an XML file generator that aggregates metadata to enable Amazon Kids+ subscription up-sale on Amazon's Prime Video and FireTV
- Improved customer retention and acquisition rate by 24% through introduction of new scalable metadata fields to facilitate the Amazon Kids premium content store and Freemium subscription model
- Advised Engineering manager, Catalog managers, and Program managers on how to best utilize ElasticSearch engine, how to leverage existing metadata models, and when to introduce new metadata models to the system
- Decreased team's monthly operational costs by 10% through deprecation of the legacy CloudSearch search engine, contributing to team effort of decreasing overall costs by 44%
- Enhanced the internal full stack web page used to manage content metadata by implementing multiple quality of life improvements using NodeJS, Typescript, CSS, HTML, and RESTFUL APIs
- Designed a metadata backfill tool that ensures that data between the database and ElasticSearch cluster are synced for a more consistent customer experience
- Spearheaded the reconfiguration of the search query generator which increased search accuracy by 28% and search usage by 15% for over 4 million Amazon Kids+ customers in North America, Europe, and Japan

Siemens Digital Industries Software   June 2019 – September 2019
Software Developer Intern - Nx CAD - Cypress, CA
- Assisted 3,000+ companies in the automation of product and manufacturing info tags on 3D assembly models by introducing 7 new scalable C++ constructs into the large-scale application and refactoring 23 legacy constructs
- Prevented future regressions by creating 20+ unit tests which enable automated testing coverage for all new code developed in the fast-paced, international team environment

Moboware Inc   June 2018 – September 2018
IT Support Intern - Tustin, CA
- Reduced the runtime of usage statistic queries by 10% by assisting the backend development team in optimizing Python and SQL database scripts
- Increased company monthly profit margins by 12.8% by performing cloud server builds, configurations, images, and quality assurance checks before shipping the server to worldwide data centers

EDUCATION

University of California, Irvine   June 2020
Bachelor of Science in Computer Science   *Major GPA – 3.43 | UC GPA – 3.34*
- **Awards**: Forbes Under 30 Scholar, Dean's Honor List
- **Courses**: Machine Learning, Data Mining, System Design, Information Retrieval, Data Management
- **Organizations**: ICS Student Council, HackUCI, Lambda Phi Nu, Alpha Phi Omega

TECH SKILLS

- **Confident**: Java, Python, C++
- **Experience**: NodeJS, JavaScript, TypeScript, HTML/XML, CSS, Git, SQL, MongoDB
- **AWS Stack**: Lambda, DynamoDB, S3, EC2, Simple Queue Service, Simple Notification Service, Glue, Athena, Cloud Development Kit, CloudFormation, CloudWatch, OpenSearch Service (Elastic Search, ECS)