Kevin Loc

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EXPERIENCE

Amazon   October 2020 – Present
Software Development Engineer - Seattle, WA
- Reduced content metadata search turnaround time by 20% through implementation of ElasticSearch as a metadata querying service used by dozens of Amazon engineers and catalog managers
- Decreased team's monthly operational costs by 15% by deprecating legacy CloudSearch search engine, contributing to team effort of decreasing overall costs by 44%
- Increased organization's potential earnings 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% by introducing new scalable metadata fields to facilitate the Amazon Kids premium content store and Freemium subscription model
- Advised SDE manager and Catalog managers on how to best utilize ElasticSearch engine and how to leverage existing metadata models / develop new metadata models
- Established a service to allow over 4 million Amazon Kids+ customers to add app entitlements for kids by setting up the AWS server infrastructure to handle requests

Siemens Digital Industries Software   June 2019 – September 2019
Software Developer Intern - Cypress, CA
- Assisted 3,000+ companies in the automation of product and manufacturing info tags on 3D assembly models by introducing 7 new C++ constructs into the large-scale application
- Optimized scalability of the massive product by refactoring code through restructuring library content and migrating 23 legacy constructs into a new XML based format
- 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
- Improved customer retention rate by 5% by managing cloud servers through analyzing usage statistics, troubleshooting errors, and resolving system hardware, software, and networking issues

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**: JavaScript, TypeScript, HTML/XML, CSS, Git, SQL, MongoDB, Google Cloud, Android
- **AWS Stack**: Lambda, DynamoDB, S3, EC2, Simple Queue Service, Simple Notification Service, Glue, Athena, Cloud Development Kit, CloudFormation, CloudWatch, OpenSearch Service (Elastic Search)