Chris Zhu

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EDUCATION

University of California, Los Angeles   Graduated June 2018
Bachelor of Science in Computer Science   Los Angeles, CA

PROFESSIONAL EXPERIENCE

Cisco Systems | Milpitas, CA   Oct 2018 - Present
Software Engineer II

- Engineered a kernel build tool that reduced ARM64 platform test time by 80%, dramatically accelerating open-source network OS bring-up.
- Spearheaded self-encrypting drive (SED) capabilities for SSDs and implemented backwards compatibility to accommodate evolving external requirements.
- Secured the cloud based management by enforcing dashboard-only configuration, preventing local command execution, and safeguarding 10,000+ managed networks.
- Integrated third party Digital Experience Monitoring (DEM) technology, allowing customers to proactively triage network performance issues.
- Enabled cross-platform forensic data collection by calibrating partition and dump offset parameters to ensure consistent analysis across hardware variants.
- Optimized network performance by directing interrupt handling to dedicated CPU cores and preventing 10% packet loss.
- Revamped CPU affinity and resource allocation using a custom benchmarking framework, increasing application CPU availability up to 60 times.
- Simplified network statistics collection through configurable platform support, cutting legacy code by 90% and enhancing reliability and maintainability.
- Provided platform abstraction layers across 20+ network modules, accelerating the integration of future supported modules.
- Collaborated to resolve customer issues promptly, maintaining reliable platform performance.

Veritas Technologies | Mountain View, CA   Summer 2016 & Summer 2017
Software Engineer Intern

- Developed a GDPR-compliant web document viewer with a 4-intern team, leveraging Oracle Outside In API to support hundreds of customer file formats.
- Implemented secure document redaction by adapting techniques from existing libraries, saving customers hundreds of hours of manual auditing.
- Designed eDiscovery architecture with Apache Tika and Lucene, increasing search speed by 200% and improving contextual accuracy of results.

TECHNICAL SKILLS

Languages: C, C++, Java, Python3, JavaScript, HTML5, CSS, Angular, React, Node.js, Express.js
Tools & Platforms: Git, VSCode, Docker, Kubernetes
Technologies: PostgreSQL, DynamoDB, Cassandra, Kafka, Elasticsearch, Redis