**Steven Li**

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| **WORK EXPERIENCE** |
| **Procore Technologies (Software Engineer II) March 2023 – Present**   * Built and scaled a backend microservice automating project data cloning, reducing manual effort by 10,000+ hours annually and supporting 1 million active projects * Optimized PostgreSQL database schema, queries, and indexing, cutting query response time by 20% * Designed and developed scalable RESTful APIs handling over 10 million requests/month, enabling seamless integration across global internal teams and customers * Developed real-time dashboard and alerting in New Relic, reducing error resolution time and downtime by 30% and preventing over 100 hours of downtime per quarter * Redesigned project creation to an event driven architecture with a public service layer and asynchronous processing via Sidekiq, reducing job execution time by 40% and customer wait time by 60 seconds * Launched a distributed rate-limiting system using Redis, ensuring API stability under heavy loads and also throttling Sidekiq jobs to prevent bottlenecks in our project creation pipeline * Drove cross team technical initiatives, mentoring junior engineers through system design reviews and best practices, leading to improved system reliability and a 30% reduction in production incidents     **Amazon (Software Development Engineer) June 2022 – Dec 2022**   * Created REST APIs serving over 1000 unique internal users/month, ensuring low latency data access * Retrieved Amazon Workforce Intelligence metrics from data warehouse, transforming raw data into visualizations for thousands of Amazon sites worldwide to determine hiring for over 1 million+ Tier 1 Staff * Developed internal web application from 0 to 1 to streamline workforce intelligence operations * Designed and implemented a Slack Bot to automate data driven notifications to users, lowering the amount of time needed to execute hiring decisions * Managed and maintained 10+ CI/CD pipelines across multiple environments for seamless deployments |
| **Sema4 (Software/Cloud Engineer) October 2020 – Mar 2022** |
| * Built distributed data pipelines reducing manual ETL efforts by over 1000+ hours/year * Saved over $1 million/year by automating scripts to scan and terminate inactive AWS resources * Architected cloud application infrastructures using CDK and CloudFormation, reducing manual provisioning by 2,000 hours annually * Integrated SQS and Kafka for concurrent, distributed event processing into containerized applications with Docker and deployed batch workloads using AWS Batch, enabling large-scale genomic data processing * Designed full-text search system by automating web scraping scripts using AWS Lambda and storing data in MongoDB & MySQL, indexing 10M+ records for efficient querying |
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| **EDUCATION** |
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| **University at Buffalo, The State University of New York August 2015 – May 2019** |
| * Bachelor of Science, Major: Computer Science * Relevant Coursework: Data Structures, Algorithm Analysis, Theory of Computation, Statistics, Software Engineering, Operating Systems, Machine Learning, Artificial Intelligence |
| **SKILLS AND TOOLS** |
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| * Programming Languages: Java | JavaScript | Python | Ruby | React | TypeScript | HTML/CSS | C++ * Data Management & Tools: SQL | NoSQL | MySQL | MongoDB | PostgreSQL | Git | AWS [Lambda, S3, EC2, Batch, ECS, ECR, SM, Cloudwatch, EventBridge, CodePipeline, SNS, SQS, CloudFormation, DynamoDB] | Docker | New Relic | Bugsnag | LaunchDarkly | Sumologic |