HENGYI LIN

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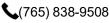
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Summary

Enthusiastic software engineer seeking for a full-time position in backend or full-stack development

Skills

Java • Python • TypeScript • PHP • JavaScript • Amazon Web Services(AWS) • Amazon Cloud Development Kit • Flask • jQuery • AJAX • PostgreSQL • Microsoft SQL Server

Experience

Software Engineer
Amazon

Sep 2020 - Present (1 year +)

- Created and owned a backend core that fetches, computes third party performance data and pushes computed result to storage using AWS Lambda, SQS, CloudWatch and S3
- Defined cloud infrastructures and resources for multiple backend components and services using Amazon Cloud Development Kit
- Implemented a RESTful API that logs and records customer interactions to database using Smithy, AWS API Gateway, Lambda and DynamoDB
- Maintained high codebase quality by writing unit tests, achieving a code coverage of over 95%
- Integrated component tests and integration tests into a continuous deploying pipeline, ensuring automated and staged deployments
- Cooperated and organized development with cross organization engineering teams
- Released public-facing product for all of Alexa
- Load testing Alexa infrastructure for yearly holiday season readiness

Software Engineer Intern
AT&T

Jun 2019 - Aug 2019 (3 months)

- Created a PHP based API Management System using jQuery, AJAX and Microsoft SQL server
- Implemented a RESTful API interface that allows developers to customize the response and satisfy client needs
- Developed new features in a Python Flask based web app and enabled users to find datacenter circuit info using additional search criteria
- Refactored integration tests, leading to 25% increase in test coverage
- Automated integration tests and coverage report generation using Azure Pipelines, enabling the team to maintain a healthy and continuous product delivery
- Simplified U-Verse network circuit report generation from multiple webpage access to a one-click process
- Provided a PHP based automation solution of decoding and storing Fiber testing data, enabling real-time feedback for test results