Vince Lehman

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EXPERIENCE

Software Development Engineer II   March 2020 - Present
Amazon   *Nashville, TN*

– Built Python-based AWS Lambda which provided daily inventory defect notifications through SNS to warehouse associates correcting thousands of dollars of defects per day

– Designed and lead development on event-driven defect detection API using API Gateway with REST endpoints, Python-backed Lambdas, and infrastructure as code defined in CDK

– Refactored Java-based warehouse workpool mapping process to support pilot mappings, store mapping artifacts to S3, and reduce sync deviation from greater than 50% to less than 1%

– Collected and produced analyses of warehouse defects with AWS Glue jobs, stored data to DynamoDB, and propagated to SQL data warehouse for data science teams

– Implemented Python common client to allow graph-like queries of DynamoDB defect data stores to support correlation identification

Software Engineer, Lead Software Engineer   June 2016 - February 2020
ReTrans, Inc.   *Memphis, TN*

– Lead development on invoicing integration with parent company's financial system, designed Django based system architecture with Python libraries for system's web-services/XML data propagation to support communication between each financial system

– Planned, designed, and executed complete overhaul of development workflow that introduced code reviews, integration and unit tests, SVN to Git conversion, and planned deployments which mitigated interruptions to developer productivity while increasing code safety

– Refactored data synchronization process between transportation management system and SQL database to use Python-Django multi-process workers which reduced sync times from hours to seconds

– Designed and implemented Django freight tracking web application which allowed for generic implementations and per customer configuration supporting onboarding without code deployment

Lead Software Developer   November 2014 - June 2016
Networking Research Lab   *University of Memphis*

– Lead development on *NLSR*, a C++ link-state routing application, which routed Named-Data traffic between 19 instutions in the US, Europe, and Asia

– Implemented experimentation framework in *Mini-NDN*, a Python networking emulation tool, which allowed research to be performed on a single machine removing need for coordination and maintenance of 20+ physical servers

TECHNICAL SKILLS

Programming Languages	Python, Java, C++, Bash
Development Tools/Frameworks	Git, AWS, Django, Spring, Redis, ELK Stack

EDUCATION

University of Memphis — Bachelor of Science, Computer Science   *December 2014*