Varun Turlapati

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Summary

Problem solver. Mentor. Go-getter.
The individual who loves leveling up his teammates as much as leveling up himself.
14+ years of experience in the Software industry across all cycles of SDLC.
Passionate about Eng Leadership

Experience

Lead
Rightfoot
Jan 2022 - May 2023 (1 year 5 months)
Leading a team of 5, leading scrum ceremonies
Mentoring engineers, 1:1s with engineers
Onboarding engineers with a daily, weekly, monthly plan for their first 3 months
Roadmap planning, estimating resources for projects and communicating with Engg leadership
Mitigating risks in delivery/customer deadlines, prioritizing efforts
Mentored individual engineers in systems design, database design, API design
Mentored engineers in best practices on iteration, feedback and documentation for improved delivery times
Led the process of reducing customer response times by 80% by working with Customer Success team
Design and development of backend systems in Java, GraphQL, Postgres, Kubernetes
Developing APIs, Queues (Processors), Failure handling and reconciliation systems
Development of frontend systems in Angular

Senior Software Engineer
Roblox
May 2018 - Jan 2022 (3 years 9 months)
Trust and Safety Team
Led software engg projects
Building microservices to improve and augment the user abuse report systems
Carving out legacy code base into microservices to fix/augment systems comprising user safety systems
Working on services in Python that leverage Machine Learning based models
Tech stack - Go, DynamoDB, C#, .NET, Windows, Python

Infrastructure Org
Lead Engineer
Graphql + Golang infrastructure high visibility project reporting to VP Engg.
Designing, Architecting and Developing a GraphQL based service with multiple datasources of different kinds

Worked on gRPC, REST and Golang based API platform that would enable developers to request, modify and relinquish infrastructure resources and services
Mentored individuals on being assiduous engineers - SRE, Ops or Developers
Improved SRE efficiency through automation and tools, often working with open source code
Worked with and on open source projects like Consul (Hashicorp) and Portworx
Consulted and worked on operational issues of Portworx deployment through Nomad and Hashistack
Maintained and improved in-house slackbot that helped developers/users request infrastructure operations that could be approved by managers/trusted users - NodeJS, Redis and MSSQL
WSO2 integration/customization using Java, Maven

Software Engineer
Portworx by Pure Storage
Sep 2016 - May 2018 (1 year 9 months)
Automation of tests, automation framework using Golang
Critical fixes to automation, optimizing run-times, network calls, method calls
Developed parallel framework to test longevity-with-chaos - letting developers specify events, conditions, frequency of events, etc (for ex: node reboots, storage snapshots)
Collaborated on an open-source testing framework to test scheduler workflows with Portworx product
Deploying and testing Docker containers, Kubernetes ecosystem with Portworx product
Evaluating performance of containerized Cassandra deployments under different deployment models
Published tech blogs, whitepaper
Working on Storage layer, persistent storage for containerized applications, data services

Member of Technical Staff (Dev Test)
Mar 2015 - Sep 2016 (1 year 7 months)
Automation of tests, code reviews – Python, Shell
Writing handy tools/scripts for Customer demos or as requested by customers from PoCs
Estimating resources for tests, Generating and managing software builds
NoSQL (Cassandra, MongoDB) Databases administration towards test execution
Cassandra - Data Modeling, Administration of test clusters
MongoDB - Data Modeling, Administration of test clusters
Understanding MongoDB and Cassandra deployments through PoCs, conferences
Obtained Cassandra Architect Certification
Sharding, Topology settings, Read/Write pref settings and playing with other parameters to trigger product defects
Recommending and laying down best practices for product's Software Quality Assurance

QA Engineer
Kiteworks
Oct 2014 - Mar 2015 (6 months)
Automating regression tests
Designing and implementing a new architecture of automated test framework
Suggesting best QA practices and documenting the same for review
Documenting common implicit knowledge for easy use by new members
Manually testing the product, new features

QA Engineer (Software)

Riverbed Technology

Jun 2010 - Oct 2014 (4 years 5 months)

Managing an offshore Riverbed Contractor team's test efforts of the qualification test plans

Identifying tasks to assign to the vendor team, Assigning tasks, Shuffling tasks

Monitoring progress reports of the offshore/remote team

Answering questions and Resolving blockers

Designing and Executing test plans

Automation of test cases using Perl and C#

Re-architecture the Lotus Notes automation hierarchy

Creating complex customer setups and testing them

Performance testing, metrics gathering and reporting on a new product's prototype (BOB)

Testing fixes for important customer bugs

Testing WAN optimization features for wide range of application layer protocols

Creating quick automation scripts to generate bug conditions to help with bug reproduction/testing

Graduate Research Assistant

University of Illinois System

Feb 2009 - Dec 2009 (11 months)

Worked as a Software developer in the J2EE technology

Developed gateways between Applications and DBs using the OpenEAI technology

Work involved design of XMLs and DTDs, usage of MySQL and Java technologies

Developed 'Email Application' for University of Illinois which queried a database for unsent emails, sent them, updated the database

Tested the functionality, worked with my team lead in coming up with possible corner cases and suggested improvements to avoid problems

System Test Engineer

Sasken Communication Technologies Limited

Jun 2007 - Jun 2008 (1 year 1 month)

Carried out performance tests on end-to-end IP Multimedia Subsystem (IMS) based VoIP system, Session Initiation Protocol (SIP) based system

Reviewed performance related requirements, planned and designed tests

Created test beds and executed stress and reliability tests

Troubleshooting issues and working with 3rd party co-vendors

Wrote automation scripts for sanity and regression tests using Shell, Perl programming

Trained new recruits on the IMS concepts and SIPp tool

Installed and upgraded the Advance Telecommunication Architecture (ATCA) hardware

Project Engineer

Wipro

Aug 2006 - Jun 2007 (11 months)

Worked on projects using C, Java, J2EE

Tested and maintained Pindar's Enterprise Application (Clipper)

Trained new joiners on the product (Clipper)

Education

University of Illinois Chicago

MS, Electrical and Computer Engineering

2008 - 2010

M S Ramaiah Institute of Technology

B.E, Electronics and Communication Engineering

2002 - 2006

Achieved the "Certificate of Excellence" in Honeywell Tech Sol Lab's annual "Freedom to Innovate" contest for being in the Top 5 teams all over India.

Academic project to implement passenger security in public transport vehicles. Involved interfacing 8051 microcontroller with real car circuits (8051 Assembly Level Programming, interfacing horn, lights and engine circuits with hardware, usage of relays, design of PCB layout)

Miscellaneous projects in VHDL and 80x86

Licenses & Certifications

Architect Certification for Apache Cassandra - O'Reilly

V2.1-0115

Skills

Customer Interaction • Team Management • Business Process Improvement • Technical Leadership • Mentoring • Code Review • Go (Programming Language) • Python (Programming Language) • Java • Databases