www.linkedin.com/in/jiten2
github.com/jiten-thakkar
stackoverflow.com/users/1557676/delta

JITEN THAKKAR

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EXPERIENCE

Member of Technical Staff 3, VMware, Palo Alto, CA   **Feb 19 - Present**

- Working on NSX Control Plane. It's a highly available multi-node distributed system.
- Responsible for data sync protocol among nodes to make sure it's falt tolerant and available. Deployed optimization between two nodes using Merkle tree that highly improved sync performance by reducing the amount of data exchanged between nodes significantly after a reconnect.
- Implemented proprietary Golang RPC library to enable communication with Kubernetes nodes on public cloud
- Tech stack: Java, Go, Protobuf, RPC, Bazel, Redis, NoSQL

Software Engineer, Evernote, Redwood City, CA   **Oct 17 - Jan 19**

- Designed, built, and deployed generic, multi-platform, and scalable user personalization platform which will help drive future growth of the company. The platform can be used for providing a personalized experience, A/B testing, and rolling out new features to a select audience.
- It has brought down new experiment time from a month to a couple of weeks.
- We use Java, gRPC, Protobuf, Kubernetes, GCP

Research Assistant, School of Computing, University of Utah   **Jan 16 – July 17**

- Worked on Data Structure Analysis of C code for alias analysis using LLVM.
- Wrote LLVM pass to implement memory safety features in SMACK(http://smackers.github.io/) tool.
- A frequent contributor to StackOverflow questions related to LLVM

Software Engineer, Pipemonk (Formerly Zapstitch)   **May 14 – July 15**

- Developed microservice approach based modular platform for data integration. This allowed easy and fast integration of different data sources to the platform and target a larger group of the customer base.
- This development work led to a funding round of $2 M.

Software Engineer, Neptune IT GmbH   **June 13 – April 14**

- Developed banking solution for Home Savings bank using Agile development techniques.

Software Developer Intern, IBM Research   **Jan 13 – Apr 13**

- Developed an efficient API in which provides electric energy consumption data to create an easy to use interactive interface that encourages users to follow suggestions related to the usage of appliances.

Software Developer Intern, Google Summer of Code for Mozilla   **May 12 – Aug 12**

- Worked on networking utility tool in Mozilla Firefox as an open-source developer which displays statistical data about different network protocols in the browser helpful for debugging web page performance and connectivity issues.

TECHNICAL EXPERIENCE

Projects

- **Stock Prediction –** Applied sentiment analysis techniques to stock related news articles to successfully predict stock market trends**.** Used Apache Spark for big data processing. **Project** Report: https://goo.gl/EEszfN
- **Sharded Key/Value Service** – Developed Paxos based persistent sharded Key/Value service in Golang as part Distributed Systems class.
- **Home Service Robot -** Home service robot project using ROS, ROS, Gazebo, SLAM, Motion Planning - https://bit.ly/3akJnLr

Programming Languages and Technologies

- Java, C, C++, Go, Javascript
- Non-blocking (asynchronous) and thread-safe programming in Java, Kubernetes, docker container, Java Guice, Protocol Buffers, gRPC, LLVM, Spring MVC, AWS, Google Cloud Platform, Maven, REST API

EDUCATION

Master of Science in Computer Science   **Fall 15 – Spring 17**
University of Utah, Salt Lake City, Utah

B.Tech in Information and Communication Technology   **Fall 09 – Autumn 13**
Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India