Sunny Udhani

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PROFESSIONAL EXPERIENCE

Salesforce, San Francisco   *Summer Intern, Vulnerability Management*   **June 2018 - Present**

- **Technologies**: Apache Kafka, Handlebars, D3, Ruby, Nessus, MySQL, Neo4j, AWS Redshift, AWS Firehose.
- Created multiple visualizations from Nessus scan data and integrated graph database for network topology after SQL query optimization.
- Orchestrated connectivity for real-time loading of Kafka streaming data to AWS Redshift using AWS Firehose.
- Applied stringent security procedures during development so as to safeguard critical data and gain insight about penetration testing.

Green Ninja Project, San Jose   *Software Engineer Intern*   **Nov 2017 - May 2018**

- **Technologies**: AngularJS, Node.js, WordPress, PHP, MySQL, AWS Elastic Beanstalk.
- Designed and implemented a solution for preventing backdoor PHP hijacking for project's wordpress website, making the application secure.
- Developed a lookup functionality to add list of materials to curriculum which significantly increases productivity of coursework designers.

Larsen & Toubro Infotech Ltd., India   *Software Engineer*   **Aug 2015 - Aug 2017**

- **Technologies**: AngularJS, ExtJS, Kendo UI, Java, Spring, Hibernate, SOAP web services, MySQL, JUnit.
- Implemented claim creation (FNOL & FROI) module which decreased the average time to create an insurance claim by 33%.
- Completed modules of Salvage, order external services, managing activities like task alerts, calendar to-do events, notes, documents.
- **Received individual awards** for handling diverse tasks and mentoring team members being adept with products' framework.

EDUCATION

San Jose State University, CA	*M.S. in Software Engineering*	*GPA: 3.616*	**Aug 2017 - Present**
Gujarat Technological University, India	*B.E. in Computer Engineering*	*GPA: 3.800*	**July 2011 - May 2015**

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, Go, C++, Python, Ruby.
- **Web Technologies**: Node.js, React, Redux, AngularJS, RESTful/SOAP Web Services, Durandal.js, Knockout.js, HTML5, CSS3, SCSS.
- **Frameworks:** Hibernate, Spring, Spring Boot, Express, Iris, JUnit, MochaJS.
- **Databases**: Cassandra, MySQL, Microsoft SQL Server, MongoDB (NoSQL), Oracle, Redis, PostgreSQL, Neo4j.
- **Cloud**: Amazon Web Services (AWS), IBM Bluemix, Google Cloud Platform (GCP), Heroku.
- **Tools, IDE, Servers**: Git, Maven, RabbitMQ, Apache Kafka, Apache Zookeeper, Apache Hadoop, Apache Spark.
- **Other Technologies**: Docker, Kubernetes, Elasticsearch, Design Patterns, Agile, Scrum, Kanban.

ACADEMIC PROJECTS

SurveyApe   *(Replica of SurveyMonkey)*   **Apr 2018 – May 2018**

- **Technologies**: React, Redux, Recharts, AOP, Spring Boot, Spring Data, Java, MySQL.
- Designed and implemented complete REST API's for the complex set of functionalities as well as logging and security in a team of 4.
- Managed Database design, backend architecture, API specification and application deployment aspects of software development.

Redis Partition Tolerance & Cloudscaled Microservice App   *(http://y2u.be/pGgn2-9VPsE)*   **Mar 2018 – Apr 2018**

- **Technologies**: Redis, Kong API gateway, Ruby, Clojure, Go, MongoDB, AWS.
- Setup, researched and tested network partition tolerance for dirty read as well as writes in AP mode of a 5 node Redis cluster using Jepsen.
- Created a distributed microservice-based app similar to cash.app using wrapper data service API for the Redis cluster with custom sharding.

Travel Booking Site   *(Replica of kayak.com - http://35.196.249.89)*   **Oct 2017 – Dec 2017**

- **Technologies**: React, Redux, D3.js, Elasticsearch, Node.js, Passport.js, Apache Kafka, MochaJS, JMeter, Redis, MongoDB, MySQL.
- Implemented Redis caching for Search feature, as a result server was able to respond to ~10k concurrent users within 1s.
- Developed a Kafka implementation with multiple partitions for fault tolerance and log indexing with Elasticsearch for analytics graphs

Online File Hosting and Sharing   *(Replica of dropbox.com)*   **Sep 2017 – Oct 2017**

- **Technologies**: React, Redux, Passport.js, Java, Spring Boot, Hibernate, JUnit, JMeter, MongoDB, MySQL.
- Designed own version of connection pooling which helped provide a significant performance increase of 10-12% for server response.

Halloween Night   *(http://35.197.70.203)*   **Sep 2017 – Nov 2017**

- **Technologies**: Phaser, JavaScript, Node.js, Express, Docker, Kubernetes, Software Development Design Patterns.
- Developed a 2D platformer game with multiple stages in Phaser implementing software design patterns for code modularity and reusability.

MultiTenant Chatbot   *(www.cbot272.com:3000/chatbot)*   **Sep 2017 – Nov 2017**

- **Technologies**: React, Express, Node.js, DialogFlow, MongoDB.
- Orchestrated natural language processing so that bot can respond with desired information thereby allowing user to get info in fewer clicks