

## Rohan Kankapurkar

San Jose, CA, 95110

rohan.kankapurkar@gmail.com

+1-669-265-5173

LinkedIn: <https://www.linkedin.com/in/rohankan>

Website: <https://rohankankapurkar.github.io/>

### Education:

MS in Software Engineering at San Jose State University, San Jose, California (Current GPA : 3.45) **August 2016-Expected May 2018**

BS in Computer Engineering at University of Mumbai, India (GPA : 3.3)

**August 2011-June 2014**

### Skills:

<b>Languages:</b>	Java, C, C++, Python, Perl	<b>Databases:</b>	MongoDB, MySQL, Oracle 10g, DB2
<b>Web Technologies:</b>	Node.js, Angular.js, JavaScript, HTML, CSS	<b>Libraries:</b>	Bootstrap, Passport.JS, jQuery, HighCharts
<b>Cloud Technologies:</b>	AWS, IBM Bluemix, Heroku	<b>Middlewares:</b>	Rabbit-MQ, Active-MQ, Kafka
<b>Collaboration:</b>	GitHub, Perforce, Scrum, Kanban, JIRA	<b>Testing:</b>	JUnit, JMeter, Chai, Mocha
<b>Operating System:</b>	Linux, Mac, Windows, Android	<b>DevOps:</b>	Jenkins, Docker, Vagrant, TICK stack

### Work Experience:

**SAP:** **DevOps Intern** **June 2017 – present**

- Provisioned the platform in Vagrant-Docker environment where project builds can be deployed and tested.
- Developed local environment for developers to play with the source code using Vagrant-Docker.
- Designed and configured the Jenkins build pipeline for CI-CD with Perforce pre-submit and post-submit hooks.
- Automated the product build-deploy-test cycle using Jenkins. Integrated this pipeline with JIRA.
- Developed scripts for build, deployment and related tasks using Jenkins, Perl and Bash

**Atos:** **Software Engineer** **October 2014- June 2016**

Worked on all phases of application design from cost and time estimation, coding, prototyping, integration, deployment, user acceptance testing to documentation.

### Responsibilities and Accomplishments:

- Developed and modified programs in JavaScript contributing to the new demands raised by the customers.
- Implemented alarm flood detection in CORBA probes using SQL Triggers which increased the stability of the system.
- Handled the migration of CORBA probes in IBM Tivoli Netcool Network Fault Management System. Completed project under budget and two weeks prior to the deadline.
- Replaced time-consuming, error-prone manual monitoring processes with the automated solution using shell script.
- Development of front end design using JavaScript, HTML, CSS and HighCharts API.

### Academic Projects:

**Enterprise Distributed System: Prototype of Airbnb** (link: <https://goo.gl/lV6i5N>) **September-16 - December-16**

- Designed a single page peer-to-peer online marketplace and homestay network application.
- Improved the response time of the page by 20% using Rabbit Message Queues, connection pooling and Redis Caching.
- Designed graphs for showing user analytics using Winston, Google analytics, d3.js and HighCharts API.
- Technology Stack:** Node.js, Angular.js, MongoDB, Express, RabbitMQ, JMeter, Redis, Mocha, CSS, Bootstrap.

**Software Engineering: 2D Quiz Game using Software Design Patterns**(link: <https://goo.gl/QjSGmg>) **August -16 - December-16**

- Developed a multiplayer quiz game following Agile methodology - Scrum and Kanban.
- Hosted the game on AWS with Docker hub.
- Technology Stack:** Greenfoot, Java, AWS, Docker.

**Enterprise Distributed System: Prototype of eBay** (link: <https://goo.gl/h7lvGb>) **August-16 - September-16**

- Developed a web application for retailing products using SOAP Web Services.
- Analysed the performance by testing the application with 10000 concurrent users using JMeter.
- Technology Stack:** Node.js, Java, Angular.js, MySQL, Express, JMeter, Bootstrap, XML, RabbitMQ.

**Cloud computing: Community Oriented Social Networking Platform** (link: <https://goo.gl/rWY76L>) **January-14 - July-14**

- Developed the web application for connecting people in the neighborhood using different cloud technologies.
- Designed the architecture and concluded the infrastructure for the project.
- Technology Stack:** AWS EC2, S3, Cloudwatch, RDS, Elastic Load Balancing, AWS CLI, MongoDB Atlas, Node.js, Angular.js

### Technical Papers:

- Published a comparative study of RFID, QR-Code and Barcode in (IJCTA) International Journal of Computer Technology and Applications, Volume 4 Issue 5. (link : <https://goo.gl/ZiMb1f>) **October-13**
- Published a research paper RFID Based Toll Collection System in the International Journal of Computer Science and Information Technologies (IJSIT) – Volume 5 Issue 2- 2014. (link: <https://goo.gl/nwqZ1j>) **May-14**