

Rohan Kankapurkar

San Jose, CA

Mail: rohan.kankapurkar@sjsu.edu

Cell: +1-669-265-5173

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

Website: <http://rohankankapurkar.me/>

Objective : Seeking a position as a Software Engineering Intern utilizing software engineering skills and abilities gained through relevant education and professional work experience to contribute to the ongoing success of company.

Education:

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

BS in Computer Engineering at University of Mumbai, India (**GPA: 3.3**) **2011-2014**

Skills:

Languages: Java, Python(Beginner), C, C++

Libraries Rabbit-MQ, Bootstrap, Passport.JS, JQuery

Databases: MongoDB, MySQL, Oracle 10g, DB2

Operating System: Linux, Mac, Windows

Web Technologies: Node.JS, Angular.JS, JavaScript, HTML, CSS

Testing: J-Unit, Mocha, J-meter

Collaboration: GitHub, Waffle-IO, Scrum, Kanban

Other: UML, XML, JSON, SOAP, REST, IBM Bluemix, AWS S3

Professional Experience: Atos

Location: Pune, India.

Role: Software Engineer

(21 months) Oct 2014- June 2016

Develop customized software solutions to maintain and support IBM Tivoli Netcool Fault Management application. Manage all phases of application design from cost and time estimation, coding, prototyping through testing, integration, deployment, user acceptance testing and documentation.

Responsibilities and Accomplishments:

- Developed and modified programs in JavaScript contributing to new demands raised by the customers.
- Implemented alarm flood detection using SQL Triggers which increased the stability of the system.
- Handled the migration of CORBA probe. Completed project under budget and two weeks prior to the deadline.
- Developed UNIX shell scripts that involved process automation and functionality enhancement. Replaced time-consuming, error-prone manual processes with elegant, automated solution.
- Developed Front End Design using JavaScript, HTML5 and CSS.

Academic Projects:

Enterprise Distributed System: Prototype of eBay (link : <https://goo.gl/h7lvGb>)

August-16 - September-16

- Wrote a web app for online retailing and auction of the products using SOAP Web Services.
- Implemented connection pooling for MySQL in NodeJS, Improved the page response time by 10% , by eliminating the connection creation time for every request.
- **Technology Stack:** NodeJS, Java, AngularJS, MySQL, Express, JMeter, Bootstrap, XML, SOAP, Web Services.

Data Analytics and Spark: AgroAI (link : <https://goo.gl/f37Zz4>)

August-16 - December-16

- Developed machine learning models for answering farmer's questions based on the soil health data provided by United States Department of Agriculture.
- **Technology Stack:** Python-flask, Pandas, IBM Bluemix, Bootstrap, HTML, CSS.

Enterprise Distributed System: Prototype of Airbnb (link : <https://goo.gl/IV6i5N>)

September-16 - December-16

- Designed a single page peer-to-peer online marketplace and homestay network.
- Improved the response time of page by 20% using Rabbit Message Queues, SQL connection pooling and CDN.
- **Technology Stack:** NodeJS, AngularJS, MongoDB, Express, Rabbit-MQ, Mocha, JMeter, Amazon S3 API, Google Maps API, HighCharts API, UploadCare API, Redis Caching, HTML, CSS, REST

2D Quiz Game using Software Design Patterns (link : <https://goo.gl/QiSGmg>)

September -16 - December-16

- Developed the quiz game following Agile methodology - Kanban and Scrum.
- Implemented the Decorator, State, Observer and Adaptor Design Patterns in Java.
- **Technology Stack:** Java, Greenfoot API, Restlet API, REST, Design Patterns, UML diagrams using Astah.

Research Papers

- Published a comparative study of RFID, QR-Code and Barcode in (IJCTA) International Journal of Computer Technology and Applications, Volume 4 Issue 5, Sep-Oct 2013. (link : <https://goo.gl/ZiMb1f>)
- Published a research paper RFID Based Toll Collection System in the International Journal of Computer Science and Information Technologies (IJCSIT) – Volume 5 Issue 2- 2014. (link: <https://goo.gl/nwqZ1J>)