

MAYANK TANWAR

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EDUCATION

San Jose State University, San Jose, CA

May 2018

M.S. Software Engineering | Specialization in Enterprise Software Techniques

3.90/4.00 GPA

Guru Gobind Singh Indraprastha University, Delhi, India.

May 2011

B.Tech in Computer Science

TECHNICAL SKILLS

Programming Language : C, Java, C++, Python

Web Technologies : REST, AngularJS, ReactJS, PassportJs, NodeJs, JavaScript, JQuery, D3js, NVD3

Database Technologies : SQL Server 2008, Oracle 11g, Mongo DB, Redis, MySQL, Mongoose

Tools : Eclipse, NetBeans, Sublime Text, Brackets, Git, JMeter, Greenfoot

Operating System : Windows 7/10, Linux, Mac OS-X

Other Skills : Fog Computing, Machine Learning, Mocha, Chai, Data Mining, Sencha, HADOOP, Docker, Amazon EC2, S3

Relevant Courses : Enterprise Distributed Systems, Enterprise Software Platforms, Software Systems Engineering, Enterprise App Development, Cloud Technologies, Web UI Design

PROFESSIONAL EXPERIENCE

Product Specialist, Cognizant Technology Solutions (CTS), India

Jan' 2012-Jun'2016

- EAGLE STAR/PACE developer, was responsible for developing various business applications for Clients (Java, EAGLE investment System, Oracle 10g).
- Developed message center streams, exporters and uploaders using EAGLE STAR and PACE.
- Implemented web panels and wrote store procedures and OLAP reports (Java, Oracle 10g).
- Developed cognizant internal oneCognizant portal for employee management (Java, AngularJS, JavaScript).
- Worked in all phases of software lifecycle from requirements analysis till development and maintenance support.
- Led a team at onshore location in Argentina from June 2014 to October 2015.

ACADEMIC EXPERIENCE

Replication of Airbnb(MEAN, Redis, RabbitMq, Jmeter, Mocha, Docker, Amazon EC2, S3)

Fall 2016

- Developed an Airbnb end to end application prototype using MEAN stack.
- Developed functionalities like real-time booking, cancellation of the rooms, dynamic pricing etc.
- Implemented analytics behavior like Google Analytics to analyze user activities.
- Implemented connection pooling and did performance testing using JMeter for ten thousand users.
- Secure the application using proper authentication, Authorization access control and used secure HTTP headers.

Secure Banking System (Java, spring framework, Hibernates,AngularJs and MySQL):

Fall 2016

- Developed a Secure Online Banking System for secure transactions
- Implemented security features include Cross Site Scripting XSS, One Time Password (OTP), Captcha, Virtual Keyboard, Public Key Infrastructure (PKI), SSL and HTTPS.

FoodCoin(Python, MEAN Stack, IBM Bluemix)

Fall 2016

- Developed a restaurant web application to reduce food wastage.
- Developed recommendation systems like advance customer prediction by utilizing machine learning libraries.
- Semantic analysis using customer feedback.
- SecurePush notification service to restaurant to broadcast their excess food on discount.

BreakTheCode(Java, Greenfoot, Docker, Amazon AWS)

Fall 2016

- Developed a game for kids to help them understand various cryptographic algorithms intuitively and interactively.
- Implemented this multiplayer game using greenfoot tool, hosted it on cloud using Docker and AWS.
- Utilized various design patterns to implement the game to make it more generic, scalable and loose coupled.