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PARTH UPADHYAY

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EMPLOYMENT

Software Engineer	HERE Maps	Feb 2014 – July 2016

- **Roles and Responsibilities**:
  Development and maintenance of Test Automation suite for NDS (Navigational Data Standard) databases.
  Production and Release Management for NDS deliverables and ensure deliverable milestones are met.
  Production and Release process automation.
- **Technology used**: Java, Oracle
- **Tools used:** Eclipse,JUnit,SVN, Git, JIRA for Issue Tracking, Jenkins for database production, Gerrit for Code Reviews

EDUCATION

San Jose, CA	San Jose State University	Aug 2016 – May 2018

- M.S in Software Engineering.
- Courses: Enterprise Distributed Systems, Software Systems Engineering, Enterprise Software Platforms, Cloud Technologies, Web and Data Mining, Enterprise Application Development.

Mumbai, India	University of Mumbai	Aug 2009 – May 2013

- B.E in Computer Engineering.
- Courses: Data Structure, Analysis of Algorithm & Design, Database Management Systems, Web Engineering, Object Oriented Software Engineering, Data Warehouse & Mining, Distributed Computing, Software Architecture.

TECHNICAL EXPERIENCE

Projects

- **Online Job Board/Portal(Ongoing):**
  Built a job board for companies to post jobs and for job seekers to search for jobs.
  Companies can post jobs, job seekers can search and apply for jobs, scheduling interviews are some of the key features
  Tech Stack: Java, Spring Boot, AOP, Spring Data, Spring Security, Hibernate, MySQL, Bootstrap, Angular.
- **Ecommerce Marketplace (Oct 2016 – Nov 2016):**
  Developed an e-commerce application which incorporated all functionalities of eBay using MEAN stack
  Used RabbitMQ as a message broker, Passport JS as authentication Middleware, MySQL and MongoDB as database, JMeter for performance measurement, Mocha for testing APIs.
  Tech Stack: AngularJS, Node.js, MongoDB, MySQL, RabbitMQ, Mocha, JMeter, Bootstrap.
- **Online Peer-to-Peer Homestay Network (Oct 2016 – Nov 2016):**
  Designed an end to end application which encompassed all functionalities of Airbnb.
  Used Redis as in-memory cache and Connection Pooling for boosting application's performance, ELK stack for user click analytics using logs, RabbitMQ as message broker, MongoDB and MySQL as database.
  Performed JMeter testing with 100,200,300,400 and 500 concurrent users with 1000 requests per user.
  Tech Stack: Node.js, Angular.js, RabbitMQ, MongoDB, MySQL, BootStrap, HTML5, Redis, ELK stack.
- **Airline Reservation System (March 2017 – April 2017):**
  Implemented a simple airline reservation system using Spring Boot.Spring Data-JPA for persistence in MySQL database. Created RESTful web services for all CRUD operations.
  Tech Stack: Java, Spring Boot, Spring Data, Hibernate, MySQL, Amazon AWS
- **Genus Sorting Game (Sep 2016 – Oct 2016):**
  Developed a multiplayer game based on CS unplugged Activity which involves explaining computer science concepts using games. Implemented design patterns: State,Chains of Responsibility,Command, Proxy & Decorator.
  Team work was managed using waffle.io, GitHub, XP & Agile Methodology.
  Tech Stack: GreenFoot , Java, Node.js, MySQL

Languages and Technologies

- **Programming:** Java, JavaScript, Python
- **Database:** MongoDB, MySQL, SQLite, Redis
- **Web Technologies:** HTML, CSS, Angular JS, Node.js, Express, Bootstrap, Mocha, JSP, JSTL
- **Cloud:** IBM Bluemix, AWS , Heroku
- **Big Data:** Scala, Apache Spark(Beginner)
- **Software Design:** UML 2.0, Software Design Patterns, Waterfall, Agile, Scrum, Kanban
- **Tools and Frameworks:** ElasticSearch, Logstash, Kibana ,Hibernate, Spring, JIRA, Jenkins, Maven, Gerrit, JUnit, Git