

# AMIT KUMAR

Full stack software professional  
(React | Angular | Java | AWS)  
at Amazon

## Contact

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## Core Competencies

- ✓ Requirement Analysis
- ✓ System design and development
- ✓ Data Structures & Algorithms
- ✓ Performant system designs
- ✓ Amazon web services
- ✓ End user focus from start
- ✓ Creativity and innovation
- ✓ Team spirited

## Profile Summary

- ❖ Software professional with close to **6 years** of experience in software systems design and development across finance and advertising domains at **Amazon, Morgan Stanley and Adobe**
- ❖ Proficient in **React/Angular web development ecosystem**
- ❖ Skilled in **server side technologies** like Java, Spring, Spring boot, Object Oriented Design
- ❖ Hands-on experience in **Amazon web services, Relational and NoSQL Databases**
- ❖ Proficient in **Data structures, Algorithms and system design**

## Education

- ❖ M. Tech. (Software Engineering) from **Delhi Technological University** with 8.10/10 CGPA (till 3rd semester) in 2014
- ❖ B. Tech. (Computer Science & Engineering) from **IIT Varanasi** with 7.21/10 CGPA in 2009

## Academic Achievements

- ❖ Received "**Innovation Award**" in the Technex 2007, the Annual National Technical festival of IIT-Varanasi for prototyping "Digital Economy" project, which was an early prototype of Paytm concept.
- ❖ Scored 99.12 percentile in GATE 2012 & 99.19 percentile in GATE 2009
- ❖ Ranked 1702 among 2 lac students in IIT-JEE 2005

## Notable Accomplishments

- ❖ Received innovation sprint prize for **Asset analysis tool POC** from Amazon Advertising org in Nov'18. The POC aimed at increasing ad-compliance and ad-screening efficiency.
- ❖ **Designed and led development of a very well appreciated Google Map integrated web application** for Morgan Stanley Real Estate Investments (Similar to 99acres)
- ❖ Developed Feature **rich Angular 1 grid** for maintaining 1.5 million records at UI with 2 second response time for sorting, searching and paging.

## Skill Set

### Web Technologies

- ❖ HTML5, CSS3, Sass, Twitter Bootstrap, Responsive web design, Material design principles
- ❖ **React, Angular**, JavaScript (ES5, ES6, Typescript), jQuery
- ❖ Redux, Angular-cli, yarn, npm
- ❖ **Deployment:** Apache Web Server, S3, CDN using Cloud Front
- ❖ **Testing Automation:** Selenium web driver

## Server, Cloud and Database Technologies

- ❖ **Java:** Core Java, Java 8, Spring Core, Spring Boot, JMX, Junit, Mockito, Gradle, Ant
- ❖ **Amazon web services:** EC2, Lambda, API Gateway, Dynamo DB, S3, RDS, Route 53, SNS, SQS, SES, EMR
- ❖ Object Oriented Design, Design Patterns
- ❖ MongoDB, Dynamo DB, Elasticsearch, Sybase

## Tools

- ❖ **Development:** IntelliJ Idea Ultimate, Eclipse, Visual studio Code, VisualVM JMX
- ❖ **Database:** SQL Server Management Studio, DBArtisan
- ❖ **Software Lifecycle:** Git, SourceTree, Github, Perforce, Jira, Crucible, Agile, Scrum, Sprint
- ❖ **Continuous Integration:** Jenkins, Circle CI
- ❖ **Troubleshooting:** Splunk, ELK Stack (Elastic search, Logstash, Kibana) stack, Chrome developer tools
- ❖ **Platforms:** Windows, Mac, Linux, Shell scripting

## Organizational Experience

Oct'18 - Present

Amazon, Bangalore, India as SDE-2

### Role

- ❖ **Received best Innovation sprint POC prize for developing POC of Asset analysis tool** for testing the incoming ad images against amazon ad policies.
- ❖ Contributed to Web and backend development of components and workflows of Amazon advertising web application.
- ❖ **Spiked and implemented ELK (Elastic search, Logstash, Kibana)** stack for Amazon managed advertising team for efficient discovery and analysis of application logs.
- ❖ Contributed to Selenium Test Suite development for our product.

Aug'14 – Sep'18

Morgan Stanley, Mumbai as Senior Associate

### Role

- ❖ **Designed and led development of UI of Angular 5 web application** capable of maintaining trade path reference data.
- ❖ **Designed and led development of a Google Map integrated Angular 1 web app** for Morgan Stanley Real estate investments visualization.
- ❖ Designing, writing and maintaining java API's and relational databases to support our web application features.
- ❖ Investigated and implemented continuous integration and delivery of web applications.
- ❖ Writing generic and reusable solutions, which were used across projects. E.g. writing a general purpose reflection based java library to turn a java iterable into an excel report with help of a configuration object.
- ❖ Participating in the **development and review of business** and system requirements to obtain a thorough understanding of business needs in order to deliver accurate solutions.
- ❖ Ensuring high code quality through code reviews. Hiring and developing UI talent for our team.

May'09 – Dec'09

Adobe Systems, Noida as Member of Technical Staff

- ❖ Automated the mechanism to add peer review comments on violation of Adobe code policy against new perforce check-ins using code collaborator API. The tool enhanced error free, fast and reliable review against adobe code policies, which **led to reduction of known security issues in Adobe products**.
- ❖ Developed a Bugbot using Perl for listing unallocated bugs weekly and emailing those to project owners.