AMIT KUMAR

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

Contact

Core Competencies

- ✓ Requirement Analysis
- ✓ Full stack 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 5.5 years of experience in software systems design and development across Finance and Advertising domains at Amazon, Morgan Stanley and Adobe
- Proficient in Angular/React 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 Tech festival of IIT-Varanasi for prototyping "Digital Economy" project, this was for a raw prototype of Paytm type concept.
- Scored 99.12 percentile in GATE 2012 & 99.19 percentile in GATE 2009
- Attained 1702 among 2 lac students in IIT-JEE 2005

Notable Accomplishments

- Received innovation sprint prize for Asset analysis tool from Amazon Advertising 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

Server, Cloud and Database Technologies

- Java: Core Java, Java 8, Spring Core, Spring Data, Spring Rest, 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

Web Technologies

- React, Angular 5, Typescript, ES6, JavaScript, Redux, jQuery, Angular-cli, yarn, npm
- **Styling: Twitter Bootstrap**, HTML, CSS, CSS3, Sass, Material design principles
- ❖ Deployment: Apache Web Server, S3, CDN using Cloud Front
- Testing: Selenium web driver

Tools

- ❖ <u>Development</u>: 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 Innovation sprint prize for development of Asset analysis tool for testing the incoming ad images against amazon policies.
- Spiked and implemented ELK (Elastic search, Logstash, Kibana) stack for Amazon managed advertising team for efficient discovery and analysis of application logs.
- Contributed to Web and backend development of components and workflows of Amazon advertising web application.
- Contributed to Automated UI testing of Amazon advertising web application using selenium web driver.

Aug'14 - Sep'18

Morgan Stanley, Mumbai, India 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.
- Performing code reviews and UAT bugs fixing as needed; debugging, testing and shipping code.

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 checkins using code collaborator API. The tool enhanced error free, fast and reliable review against adobe code policies, which let to reduction of known security issues in Adobe products.
- Developed a Bugbot using Perl for listing unallocated bugs weekly and reporting to management.