

# Prankur Malhotra

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## SKILLS

### PROGRAMMING

- Pivotal Cloud Foundry
- RESTful API architecture
- MongoDB • Elastic search
- SOA and DDD
- TDD and BDD
- migrating legacy monolithic applications
- 0 downtime deployment - blue/green
- spring boot, cloud config, actuator
- Access Control (OAuth/SAML, Web SSO, SSL)
- OWASP, CWE, SEI CERT
- kafka, rabbitMq
- karate • Selenium
- Sonar, Zally, Checkmarx
- Jenkins • jfrog artifactory
- Ni-Fi • Spring batch
- Splunk • Dynatrace
- Jira APIs

## EDUCATION

### NORTHWEST MISSOURI STATE UNIVERSITY

#### BS IN COMPUTER SCIENCE

May 2017 | Maryville, MO

College of Engineering

Magna Cum Laude

Cum. GPA: 3.83 / 4.0

Major GPA: 3.9 / 4.0

### ST GEORGES COLLEGE

Grad. May 2013 |

Mussoorie, UK, IN

## LINKS

LinkedIn:// [prankurmalhotra/](#)

## COURSEWORK

### UNDERGRADUATE

Operating Systems

Advanced Algorithms

( Teaching Asst)

Artificial Intelligence + Practicum

Functional Programming

( Teaching Asst)

Advanced Machine Learning

Open Source Software Engineering

Compilers + Practicum

Cloud Computing

Machine Learning

Unix Tools and Scripting

## EXPERIENCE

### MASTERCARD | SE II AND SENIOR SOFTWARE ENGINEER

June 2018 - Present | New York, NY

- Developed multiple restful APIs with spring boot on modern microservices architecture using Pivotal Cloud Foundry and production ready MongoDB enterprise servers
- Designed, developed, tested(performance, security, integration, Sonar standards followed)
- Initiated and TPO to a UI application initiative built on angular 6, implemented multitenant-capable elastic search
- duties and work style -> SOA, DDD, TDD, BDD, Deploying highly scalable, distributed systems, Developing Microservices and migrating legacy monolithic services, fully automated Jenkins pipelines, Implementing Health-checks, environment mappings and metrics using Actuator, Spring cloud bus refresh, Geo-redundant architecture, CI-CD, Splunk monitored logs, Kafka, Apache nifi, Spring retry,Karate [integration tests], Mockito
- Led China on Soil initiative - Designed technical architecture and developed high performance spring batch applications which processed multi millions transactions with 0.08 percent failure rate in Prod.
- Help develop a self-sustaining team by putting in hard-set development, deployment and testing practices.

### MASTERCARD | SOFTWARE ENGINEER I

May 2017 - June 2018 | O'Fallon, MO

- Built test suites for integration testing for UI and APIs using Selenium, Karate, and browser stack in a BDD env.
- Built fully automated Jenkins pipeline through CI-CD scripts to deploy the UI and api automation scripts and run it on browser stack.
- As a performance testing lead, performed stress, soak, Spike, Endurance tests to fine tune the application by adjusting heap size etc to get the achieved throughput.

### MASTERCARD | SOFTWARE ENGINEER INTERN

June 2016 - July 2016 | O'Fallon, MO

- Designed and implemented a native android application for uploading stack trace and improving customer user experience.
- Used multi-threading to implement parallel processing using AsyncTask, fragments for creating boiler plate elements for different screen
- Worked with clients in order to deliver the best product with primary emphases on ease on User experience
- Integrated oAuth1 and oAuth2 authorization servers to integrate with social platforms.

### JP MORGAN CHASE | SOFTWARE ENGINEERING INTERN

May 2015 - Aug 2015 | Columbus, Ohio

- Web application development using spring boot, JavaScript, Bootstrap
- Used apache nifi as an ETL tool to read data from their party server

### PAPERPLANES | WEB DEVELOPER INTERN

Jan 2015 - April 2015 | Kansas city, MO

- Collaborated with 3 others to develop a web application which helped plan a complete trip/vacation with just a few clicks
- Designed and developed with primary focus towards user experience.