

# SAURAV VARMA

Java • Scala • RESTful WS • Druid • Elastic Search • Statistics

## OBJECTIVE

*Use technology to build great products that solves real life problems and make information available and accessible to all in the simplest way.*

## CAREER SNAPSHOT

**Experience:** 8+ years | **Domain:** eCommerce, Payments, Data Science, SAAS

- *Developing unified data warehouse & SAAS application for Data Scientists & business executives*
- *Learnt Statistics and Business Analytics at **Indian Statistical Institute** in Certificate course.*
- *Significant experience in building Recommendation Systems with startup, **Baynote Inc.***
- *E-Commerce & marketplaces domain expertise from companies like **Amazon & eBay India.***
- *Experience in developing great payments product and solutions at PayPal India.*
- *Worked as **Data Engineer, Platform developer and Quality & UI Engineer** at different positions.*

## ACHIEVEMENTS

### Citi Mobile Challenge – APAC

*Idealized & designed solution to analyze customer spending habits and using it to recommend products to buy using Citibank Rewards.*

### Innovator Award, PayPal India

*Judged winner for innovating a new product idea for PayPal India to enable micro-payments in India using Aadhaar Card. Presented idea to CXOs, PayPal*

## WORK EXPERIENCE

**PRINCIPAL ENGINEER, PRAMATI TECHNOLOGIES, Oct 2013 - Till date**

- *Built JavaScript and Java based real time event streaming and data pipeline with a NoSql based data store to provide rich data insights*
- *Designed Lambda architecture using Kafka, Apache Storm, Apache Spark and Druid (as POCs) for data ingestion that served 100,000 requests per second approximately*
- *Built unified API layer for accessing Druid & Elastic Search as a multi-tenant data warehouse in scala for real time and batch data ingestion.*
- *Set up distributed systems using Consul, ZooKeeper, Druid and Elastic Search cluster in production*
- *Built RESTful services and backend for supporting Client's legacy customers in the new Java platform for backward compatibility including email recommendations in Java.*
- *Built Product Selection-Evaluation System for Recommender System SAAS platform serving ecommerce companies of various genre like furniture, hotels, apparels, sporting goods etc.*
- *Implemented DSL using Antlr4 to create complex filter rules for selecting appropriate products.*
- *Implemented A/B testing solutions framework for product recommendations in a SAAS platform.*
- *Worked for stealth mode start-ups and instrumental in product launch for a well funded start up.*

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# SAURAV VARMA

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Engineer • Traveler • Learner • Doer

## APPLICATION DEVELOPER, COMPUTER SCIENCES CORPORATION, Sept 2011 - Sept 2013

- Worked with PayPal India at Chennai Development Centre.
- Implemented various features in Risk & Compliance, Send Money, Request Money, Password Recovery and Profile Management handling transactions of more than 20 million dollar an hour.
- Discuss with Product Manager to analyze, understand and find solution to the problem statement.
- Design, development, integration & maintenance of the software module

## SOFTWARE DEVELOPMENT ENGINEER IN TEST, AMAZON INDIA, May 2011 - Sept 2011

- Involved in the development of testing framework for synchronization software of users' digital assets like ebooks, songs, videos, e-periodicals etc including the lent assets across all Kindle devices owned.

## WEB APPLICATION DEVELOPER, COMPUTER SCIENCES CORPORATION, Jun 2008 - May 2011

- Design and development of consumer facing front end pages and testing across various web browsers which served 191 countries and supported 20 languages.

## ACADEMICS

### Program on Business Analytics, INDIAN STATISTICAL INSTITUTE, Chennai (Feb 2015 - April 2015)

Studied introductory Statistical Analysis & Inference, Time Series Forecasting, eCommerce Business Analysis and Decision Making, Regression Models, ANOVA, Testing hypothesis, Dimensionality Reduction, Principal Component Analysis, SVM, Data Mining, Text Analytics, Recommendation Systems

**Score:** Passed. Certificate Issued.

### B.Tech in Computer Science & Engineering, UNIVERSITY COLLEGE OF ENGINEERING, Odisha (2008)

**Score:** 8.65 out of 10.

## SKILLS

- End to End product design and solutions.
- Lead a team to 2-3 in different projects and worked as a lead engineer in previous projects.
- Member of the organizing team for Hackathon, an annual technology competition in PayPal.
- Organized Tech-fests and was Placement Coordinator & Cultural Secretary in college.

### Have implemented...

Data Pipeline and Data Warehouse  
JS and Java based trackers  
Recommender Systems  
RESTful API & CLTs  
Email Recommendations

### Have learned & used...

Scalatra, Spring MVC  
Design Patterns  
Data Structures & Algorithms  
MongoDb, JS, HTML, CSS, JS  
Druid, Elastic Search

### Have knowledge about...

Statistical Analysis & Modelling  
Product Development  
Machine Learning  
Data & Text Mining  
Data Engineering

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# SAURAV VARMA

Writing • Cooking • Reading • Music

## INDEPENDENT COURSES

Basic Statistics with R programming - Coursera & DataCamp	Statistical Inference, John Hopkins University - Coursera	MongoDB with Java - Certification from MongoDB Inc
Introduction to Marketing - Coursera	Introduction to Recommender Systems - Coursera	Hadoop Fundamentals - Big Data University