

VIJAYENT KOHLI

Masters in Engineering, Computer Science, BITS Pilani

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Software Professional
with ~5 years of Varied
experience

Well Honed Problem
Solving & Analytical
Skills

Proactive &
Approachable,
Great Team Adaptability

Diligent & Self-Motivated
Strong work ethics &
values

AREAS OF INTEREST - Software Development, Web Development, Frontend, Data Analytics, Machine Learning & AI

ACADEMIC INFORMATION

| Year | Degree | Institution/University/Board | Performance |
|---------|--------------------------------|------------------------------------------------|-------------|
| 2013-15 | Post Graduation | BITS Pilani, Pilani Campus, Rajasthan | 7.16 CGPA |
| 2007-11 | Bachelor's Degree (B.Tech CSE) | Kumaon Engineering College, Uttarakhand | 73.44 % |
| 2006 | AISSCE (Class XII) | Kendriya Vidyalaya No. 2 ,Banbasa, Uttarakhand | 81.4 % |
| 2004 | AISCE (Class X) | Kendriya Vidyalaya No. 2 ,Banbasa, Uttarakhand | 88.4 % |

PROFESSIONAL EXPERIENCE

PAYPAL, Bangalore

[Aug '17 – Present]

Software Development Engineer 2 / Scrum-Master, RISK-Platform

Technologies – Java, Angular5, REST services, Microservices, Junit, Mockito.

- Developed a Real-Time incentive abuse prevention which leads to ~ 1.8M USD savings per financial quarter for Paypal's India Domestic Program.
- Won 2nd Runner up, Hackathon Championship, which was held worldwide amongst 14 different PayPal Risk Domain Teams.
- Diligently lead 9 teammates over 6 projects as a Scrum Master, over the complete Product Lifecycle.
- Hardened the system integrity of the gateway by designing a workflow splitter that allows parallel execution and reduced the time to identify the flows by several minutes.
- Enhanced visibility of the progress, ramping up the statistics and service availability by developing dashboards and portals using my full-stack knowledge, reduced time to track the issue to 30 minutes from several hours.
- Designed a solution to customize and expose the API Gateway metrics to Paypal as well as Open Source project.
- Defined, proposed and presented new strategies for API gateway microservice, which acts as a single entry point for all calls to Risk platform in Paypal.

ORACLE India Pvt. Ltd, Bangalore

[Jul' 15 – Aug'17]

Application Developer 2 – OSC (Oracle Sales Cloud, Desktop Productivity Suite, CRM)

Technologies – Java, JavaScript, KnockOutJS, Require JS, JQuery, Oracle JET, Oracle ADF, RESTful API Services

- Development of Front-end as well as back-end services for the next-gen cloud-based MS Office 365 plugin for Oracle CRM and Google Chrome.
- Developed efficient modules for consuming and exposing REST services.
- Increased work efficiency by developing tools to automate day to day process.
- Feature Owner – HealthMonitor
 - Enhanced the design and implemented a new feature as per the customer requirements and better experience.
- Increased efficiency of the software by suggesting design level improvements to Senior Director and upper management and also responsible for implementing them.

Nokia Siemens Networks, Bangalore

[Oct '11 – April '12]

Testing Engineer, System Verification, Flexi-Platform.

- Running Automated Test -Suites/Scripts.
- Analysis and Bug reporting, Grooming Document Preparation.

KEY RESEARCH PROJECTS

Adaptive Weather Forecasting using Machine Learning Techniques

[Master's Degree Dissertation, Jan'15 – May'15]

- Developed an adaptive model using Neural Networks that will predict weather conditions in Pilani Area.
- Increased efficiency of the model via feature selection algorithms on raw data provided by Meteorological Centre, Jaipur.
- Designed and Developed a Multi-Layer Perceptron with 2 hidden layers.
- Total mean square error of the model was as low as 0.0192.

New Distributed Framework for Data-Mining

[Research Practice , Jan'14-Apr'14]

funded by Dept. of Electronics and Information Technology (DeitY), Govt. of India

- 11 member team (4 PhD., 3 M.E, 4 B.E) under HOD (CSIS Dept) and 2 Profs, BITS Pilani, with a goal to exploit parallelism through clustering and Data-Mining Algorithms.
- Implemented modules for Distance Computation between multi-variate datasets.
- Designed a new Notation for representing R-Tree.
- Designed & Developed Algorithms to construct R-Tree to and from the New Notation.

A tunable graph model for incorporating geographic spread in social graph models

[Adv Data Mining : Oct'14-Nov' 14]

- Java based project that relies on the relationship between individuals and their geographic distance.
- implemented a model incorporating geographic spread that can facilitate better infrastructure provisioning in distributed systems supporting social and collaborative applications.

Design and implement cluster virtualization

[Cloud Computing : Oct'14-Nov'14]

- Implemented the abstraction provided for a virtual cluster in which the user is able to deploy one or more clusters on the given physical infrastructure.
- Implemented load-balancing, failure-recovery, check-pointing, migration and scheduling algorithms for virtual machines over this architecture.

Recommender System for Research Papers

[Machine Learning ,Aug'13-Nov'13]

- The system recommends 5 research papers based on the research papers selected by the user.
- Implemented the computation of document score of a Research Paper and recommends 5 similar Research Papers.

TECHNICAL SKILL SUMMARY

| | |
|----------------------|------------------------------------------------------------------------------------|
| Frameworks/Libraries | Microservices, REST Services, Spring-Boot, Maven, Oracle ADF, Oracle JET, Neuroph. |
| Software Development | SVN, Agile Methodology, JIRA, MVVM. |
| Languages | Java, JavaScript, AngularJS, ReactJS, Knockout JS, HTML5, CSS3. |

POSITION OF RESPONSIBILITY

- Active Scrum master in PayPal.
- Teaching Assistant – Machine Learning, Data Structures and Algorithms, Faculty Affairs Division – BITS Pilani.
- Co-ordinator, TechFest'10
- House Captain, Kendriya Vidyalaya, NHPC Banbasa.

Current Location – Bangalore, India

Preferred Location – No Constraints