

VINAYAK NIGAM

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SUMMARY

Goal-oriented developer with 3 years of work experience in enterprise application development.

EDUCATION

Master's in software engineering

San Jose State University, CA

Dec 2018

GPA: 3.3

Bachelor of Technology in Information Technology

Gautama Buddha Technical University, India

Jul 2012

GPA: 3.5

TECHNICAL SKILLS AND CERTIFICATIONS

Languages	Java, Python, Spring, Angular.js, Node.js, React.js, JavaScript, Bootstrap, HTML5
Databases	MySQL, Oracle11g, PostgreSQL, MongoDB, DynamoDB
Cloud Services	AWS EC2, S3, RDS, Lambda, Docker, Google Cloud Engine, Heroku
Platforms	CentOS, Ubuntu, Unix, Windows
Big Data Ecosystem	Hadoop, HDFS, Spark, Kafka
Tools	Maven, JMeter, Eclipse, Jupyter Notebook, Elasticsearch, Kibana, Git, Informatica, Jenkins, JIRA
Certifications	Oracle Certified Java Programmer SE6, Machine Learning Course-Stanford University

WORK EXPERIENCE

Systems Engineer, Tata Consultancy Services, India | Client: CVS Health, USA

Mar 2013 - Dec 2016

- Development and tier-3 support of various in-house applications written in Java and Unix.
- Followed Agile for requirement analysis, design, development and testing for various change requests in java.
- Actively involved in daily incident triaging, liaising, batch handling, maintenance, troubleshooting the applications, closing the issues with proper documentation of various data warehousing issues.
- Optimized reusable components by analyzing key performance indicators and developing prototypes.
- Worked on automating a metadata driven reporting tool that improved release management process by 20%.
- Analyzing new change requests, discuss them with business, get estimates approvals.

PROJECTS

Cryptocurrency Transaction Analysis

Aug 2018 - Dec 2018

- Built an n-tire distributed web application that performs analytical analysis on blockchain transaction network.
- Designed machine learning models that analyze the stationarity of the cryptocurrency and predict its future price.

California Ultra-Speed Rail

May 2018 - Jul 2018

- Built a microservices based web application that implements public train reservation management system.
- Optimized the search functionality and enhanced system reports module with Kibana.

Smart Hotel Management

Jan 2018 - Mar 2018

- Built a robust full stack java application implementing reservation, help-desk and billing and reporting.
- Implemented the back-end architecture with Spring-Boot framework and performed unit testing.

Smart Community Social Network

Aug 2017 - Dec 2017

- Built a cloud-based distributed application in Python that ensures communities stay connected in a town house.
- Improve the app reliability by implementing AWS SQS queue and user experience with User Dashboard.

Java Parser

May 2017 - Jul 2017

- Built a parser application which converts Java Source Code into a UML Class Diagram
- Improved the modularity of the code with Design Patterns and followed Kanban for task management.

Cricket Match Result Prediction System

Jan 2017 - Mar 2017

- Built a machine learning based prediction system that predict the match winner by analyzing the game per over.
- Successfully improved the accuracy of the model by 16% with model tuning.

Prerequisites check system

Jan 2017 - Mar 2017

- Automated the university pre-requisite validation process by implementing a single page Python flask application for students and professors.
- Improved the overall processing with image processing libraries html2canvas and OpenCV.

ACHIEVEMENT

- Second Runner up at CALL FOR CODE hackathon organized by IBM at San Jose State University.