Jayesh Pokharkar

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Technical Skills:

Languages:	Java, Python, JavaScript, C++, Ruby
Tools:	Docker, Kubernetes, Apache Kafka, Git, Jenkins, Maven, Linux shell scripting, Postman
Cloud Technologies:	AWS (EC2, S3, RDS, ELB, SQS), Google Cloud Platform
DB Technologies:	MySQL, Oracle 12c, MongoDB, PostgreSQL, Cassandra
Web Technologies:	Node.js, React.js, Angular.js, HTML5, CSS3, jQuery, Bootstrap, Restful web services

Work Experience:

Full Stack Developer Intern **at BoxPower Inc** **June 2020 – Mar 2021**
Java, Apache Kafka, GitHub, Jenkins, Maven, Docker, AWS

- Designed and developed EASI software product to automate the process of collecting customer data and performing a full Energy Audit and then providing them with affordable Renewable Solar Energy Options.
- Worked to migrate legacy applications into containerized environments with Docker. Responsible for research on Kubernetes to orchestrate EASI on AWS.
- Worked on POC for implementing Apache Kafka as a messaging tool across different microservices.

Software Engineer – Product Development **at Angel Broking Pvt. Ltd** **Oct 2018 – Aug 2019**
Spring Boot, Microservices, GitHub, Docker, Jenkins, JUnit, Oracle 12c

- Developed a multi-threaded Document Migration tool which includes Spring boot, Junit, Restful Services, JDBC, Oracle 12c, JVM monitoring and Thread Dumps. Focused on QoS parameters like Migration, Search Latency, Local Characters, File encryption, Migration Health and multi VM monitoring. Developed migration validation services.
- Redesigned and migrated Financial Reconciliation application from legacy stack to JavaScript based cross platform web application. Developed REST API's to integrate the platform with other services via HTTP/HTTPS protocols.
- Followed test-driven development and CD/CI practices to automate containerized deployment pipeline.

Software Engineer **at Zeus Learning Pvt. Ltd** **June 2016 – Oct 2018**
Java, Linux shell scripting, Node.js, Angular.js, MSSQL, HTML5, CSS3, Bootstrap, Ajax

- Devised and implemented a standalone Node.js solution coupled with responsive front-end framework Angular for detecting missing production files and automatically sending chaser emails to relevant source teams.
- Developed an FIS internal web application based on SOA using Node.js, MSSQL and React automating report extraction process from database resulting in reduced manual extraction time from 20 mins to 5mins and a 10% increase in individual productivity.
- Responsible for administration (installation, patching and upgrade) of Apache and MySQL cluster. Developed python/bash shell scripts to install apache httpd and tomcat.
- Automatic execution of above application brought down average manual intervention time from 45 mins to 15 mins.
- Conceptualized, planned and built an end-to-end internal web application for onboarding new associates.

Academic Projects:

Invoice/Image Simplifier (https://github.com/Jayesh2011/Image-Invoice-Simplifier)

- Built a productive application using Python and related libraries like Tesseract for OCR, NumPy and OpenCV for image upscaling and segmentation, and NLTK for Named Entity Recognition to extract key elements from an invoice pdf / picture
- Enabled user registration and login with Facebook and Google using OAuth.
- Containerized the application using docker and deployed on Amazon EC2 while using Amazon S3 for storage of media.

Bart Schedule and Location tracking Android App (https://github.com/Jayesh2011/BART-Android-App)
Learnings: Android, JSON parsing, Android Studio, Firebase, Google Maps API, Rest API

- Developed an android app that shows Bart trains' schedule and allows the user to track the live location of his peers.
- Launched maps using Google map API and marked BART stations by querying it using REST API.
- Implemented live location tracking of friends and triggered push notifications for requesting location using GCM.

StudentGuide (https://github.com/Jayesh2011/Student-Guide)

- Implemented a microservices based end-to-end web application encompassing all functionalities to help students with airport pickup / drop, finding roommates and accommodations with automated email confirmations.
- Used Node.js for backend, React.js, HTML5 and CSS3 for frontend design and functionalities.
- End to end database design from scratch that included conceptual design, physical database design and normalization.
- Utilized MySQL at Amazon RDS for database, containerized using docker and deployed on Amazon EC2.

Education:

- **Pursing MS in Computer Science Engineering,** Santa Clara University **Sept 2019 – June 2021**
  Coursework: Cloud Technologies, Data Structures and Algorithms, Database Design
- **Bachelor of Engineering in Information Technology**, Datta Meghe College of Engr, India **Aug 2012 - May 2016**