Jayesh Pokharkar

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Education:

- **Pursing MS in Computer Science Engineering,** Santa Clara University **Sept 2019 - Present**
  Coursework: Cloud Technologies, Data Structures and Algorithms, Database Design
- **Bachelor of Engineering in Electronics and Telecommunication**, Nagpur University, India **Aug 2012 - May 2016**

Technical Skills:

Languages:	C, C++, JavaScript, Java, Python
Web Technologies:	HTML5, JavaScript, CSS3, jQuery, Bootstrap, Node.js, Angular.js React.js, RESTful web services
DB Technologies:	MSSQL, MySQL, Oracle 11g, MongoDB, Firebase, PostgreSQL
Libraries/Frameworks:	Express.js, Redux, JEST, OAuth, MVC, scikit-learn, NumPy, Pandas, Selenium, OpenCV
Tools:	Docker, Git, VMware Workstation, Postman, JMeter, Linux shell scripting, Eclipse, CircleCI
Cloud Technologies:	AWS EC2, AWS S3, AWS RDS, Heroku

Work Experience:

Full Stack Developer Intern **at BoxPower Inc, Grass Valley, CA.** **June 2020 – Present**
Technology stack: HTML5, CSS flex/grid, Bootstrap, Java, PHP, Jenkins, AM Charts, TCPDF, Git, CircleCI

- 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.
- Used AM charts to plot energy consumption graphs for clients and prepared complete report using TCPDF.
- Integrated different modules, tested and deployed them using CircleCI.

Software Engineer – Product Development **at Angel Broking Pvt. Ltd, Mumbai, India** **Oct 2018 – Aug 2019**
Technology stack: Node.js, React.js, MSSQL, AWS, Docker

- Redesigned and migrated Financial Reconciliation application from legacy stack to JavaScript based cross platform web application
- Followed test-driven development and CD/CI practices to automate containerized deployment pipeline
- Developed an FIS internal web application based on 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.

Software Engineer **at Zeus Learning Pvt. Ltd, Mumbai, India** **June 2016 – Oct 2018**
Technology stack: Java, Node.js, MSSQL, HTML5, CSS3, Bootstrap, Ajax

- Devised and implemented a standalone Node.js solution coupled with responsive front-end for detecting missing production files and automatically sending chaser emails to relevant source teams.
- Automatic execution of above application brought down average manual intervention time from 45 mins to 15 mins.
- Smart visualizations using Charts and Graphs helped managers track progress for everyone in the team

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

Donation Portal (https://github.com/Jayesh2011/donation_portal_se_project)

- Developed a common donation portal web application where user can make donations to any NGO of his/her choice directly from our portal. Also, NGO's could collaborate with each other and organize events on our portal.
- We developed front-end in Angular.js and handled backend using Node.js and Java.
- Used MongoDB to write complex queries to quickly fetch data of the NGO's for the user based upon their search and requirement.