Emmadishetty Sri Aditya Varma

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Technological Skills

- **Programming Languages**
  C/C++, Python, Ruby, Java, HTML, CSS, JavaScript, Jquery, Bootstrap
- **Technologies**
  Git, SVN, MySQL, NoSQL, Mongodb, ElasticSearch, Rails, AWS, Nginx, IIS, NLTK, Sentiwordnet, Vim, Docker, Kubernetes.

Work Experience

GrabOnRent
Sr. Software Engineer, Sep 2016 – Current

- **Bike Inventory**
  - Designed a system where user can book shared bike inventory in real time from different vendors at various pickup locations, varying lag times and minimum rental durations for different bike variants.
  - Designed vendor dashboard to create vendor bookings for shared bike inventory.
  - Handled scenarios like bike replacement, user extensions, double booking, bike location change and communications with customer & vendor.
- **Inventory Management**
  - Designed inventory management system for custom rental needs.
  - Functionalities include real time location tracking of inventory in multiple warehouses, multiple vendor locations & customers place, available stock to fulfill future orders, partner inventory tracking, efficient use of partner inventory, premiere and refurbished variants, quality control check, tracking inventory repairs internal & external, inventory purchase requests, tracking non performing assets, inter warehouse movements.
  - Managing 20 crores worth of inventory on the system currently.
- **Customer Verification**
  - Mandatory verification of customer identity, upload multiple ID/Address proof before processing an order.
  - Handled scenarios such as communication to customer in case of proof verification failure, verified user auto process order & options to mark verified/verification failed on admin dashboard.
- **Order Payments Validation**
  - Mandatory verification of offline payments before being captured by the system from third party services like tookan to solve multiple call backs issues & incorrect data in amount collected for payment reconciliation.
  - Invalidation of duplicate order payments & auto recalculation of amount collected.
- **Order Recalculate**
  - Worked on recalculating the entire order when a duplicate payment has been captured because of some technical error or multiple call backs from tookan.
  - Handled installment orders, b2b orders and non installment orders separately.

- **Paytm Integration**
  - Provide an option to pay via PayTM with existing payment gateways.
  - PayTM payment integration on both android & web with different checksums generated for web & android and check transaction status of payment before being captured by the system.
  - QR image integration on tookan to pay via PayTM QR scan for convenience of customer at the time of delivery.
- **Web Optimisation**
  - Reduced the website load time on web and mobile by bringing down the load time from 6 sec to 3 sec.
  - Used lazy loading for images & refactored code to avoid duplicate & unnecessary calls on the home page.
- **Blacklist User**
  - Customers refusing to make their monthly installment payments even after multiple reminders and late payment penalty had to be blacklisted.
  - Provided an option to mark/unmark an user as blacklisted, defaulter in admin dashboard from placing orders on the system & ceasing all communications.
  - Passing on the list of blacklisted users to debt and asset recovery team.
- **Freshdesk Integration**
  - Integrating freshdesk for customer cancellation & replacement request tracking & customer communications for the same.
  - Automatic ticket generation, status updates & assignment to concerned teams (operation, customer support, vendor management) for tickets on freshdesk.
- **Tookan Integration**
  - Integrate tookan to auto create pickup & drop tasks when an order has been confirmed.
  - Auto creation of reverse pick up & drop tasks when and order tenure has ended.

Freelance
Full Stack Developer, Mar 2016 – Aug 2016
- **Scrapper**
  - Wrote cron jobs to fetch data from various web sources and keep the database updated with latest data.
  - Developed using mechanize and selenium modules in python and ruby.
- **Website**
  - Built a rental website and exposed api's for android development.
  - Collaborated with various developer across different time zones.

Zoomcar
Software Development Engineer, Jun 2015 - Feb 2016
- **Gift Cards**
  - Integrate e-gift card option provided by Qwikcilver so that customers have the option to gift their loved ones an experience they cannot forget.
  - Used soap protocol to communicate with Qwickcilver for purchase, redeem, refund, balance and various other operations on e-gift cards.

- - Decoupled payment flow with car booking for purchase of e-gift cards, which was a major change in the system.
  - **Web Security**
    - Did a static analysis of the entire codebase using brakeman gem, which showed 247 various security related issues such as remote code execution, sql injection, cross site scripting. Fixed all these issues to make the system more secure.
    - Static analysis security of the codebase using brakeman and fixed 247 security issues (remote code execution, sql injection, cross site scripting, various others)
  - **Find My Car**
    - Reduce the delay in pick up time of a customer due to non availability of fleet or delay in locating the car due to large size of pickup location usually 600m.
    - Implemented find my car application which would be active 2 hours before any booking on android app & show the real time location of the car.
    - Customers can navigate to car using lat & long of the car before 15 minutes of car pickup time, no fleet interference required.
  - **Double booking**
    - Auto locking and releasing of inventory after 10 min when customers initiates payment was causing same car being allocated to multiple customers, when first customer takes too long to make the payment.
    - Checking car availability after payment is successful & if no car is available initiate auto refund solved the problem.
    - Reduced number of cases of double booking for the same car from 7-10 cases per week to zero.

Codenation
Intern, Feb 2015 - March 2015
- **Leadership**
  - Migrating and creating AWS Elastic Bean Stalk application for reviving Leadership.com website which was obsolete.
  - Technologies Used: AWS Bean Stalk, Amazon Relational Database Service, Tomcat, Jrun, Nginx, IIS.

Center for Internet and Society
Intern, May 2013 - June 2013
- **NVDA** (Screen reader for Microsoft Windows)
  - Fixed a bug where the screen reader was not able to differentiate whether the sentence under the mouse is an url or plain text in Microsoft word.
  - Made a detailed list of all the events so that it would help future developers in figuring out any bugs that may arise out of the system.

Education
Maulana Azad National Institute of Technology Bhopal
B.Tech Computer Science & Engineering, 2011-2015, CGPA: 7.7

Personal Work

- **Aspect Extraction from User Generated Contents**
  - o The aim was to work out a tool which summarizes the user reviews and provides standings for the top features of a product from its opinionated reviews.
- **Sentence Level Sentiment Analysis**
  - o Project involved determining the polarity of a review.
  - o Accomplished by POS tagging all the reviews and finding corresponding polarity values.
- **Autocomplete Suggestions**
  - o The project involved implementation of auto complete by displaying suggestions, accomplished by using Trie data structure.
- **Quora Auto Hide Upvotes**
  - o Wrote a javascript to hide upvotes, number of comments on a question and number of followers of a person to avoid bias on upvotes.
- **Spoj Auto Hide Comments**
  - o Aim was to auto hide comments on Spoj as people mention hints to solve a particular problem or post tricky test cases.
  - o Developed an add-on for Firefox which auto hides comments on Spoj.

Programming Achievements
- Ranked 34th in India (95th in world) in May short challenge 2015 of code chef.
- Ranked 6th in JNTUV, Code</> challenge held in April '14.
- Ranked 14th in India (63rd world) in 101 Hack June'14 challenge of Hacker Rank.
- Ranked 17th in the world in Awesome April challenge of Hacker Earth 2014.
- Founding member of MATRIX, programming society in our college.
- Ranked 33rd in India (103 world) in January short challenge and 65th in India (183rd world) in January long challenge 2014 of code chef.

Extra-Curricular Activities
- Holding positions of responsibility in Research and Innovation Forum and MATRIX.
- Ranked 4th in GreenX event as a part of Go Green Forum in Technix – Annual Tech fest of IIT-BHU.
- Organized two events, Code Poker and Treasure Hunt for Techno search 2012- the annual tech fest of NIT Bhopal.
- Completed "Algorithms: Design and Analysis, Part 1" course offered by Stanford University through Coursera and Completed "Introduction to Computer Science and Programming" course offered by The Massachusetts Institute of Technology through edX.