Shravan Ramdurg

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EDUCATION QUALIFICATIONS

Northeastern University, Boston   **September 2021 – Present**
Khoury College of Computer Sciences   Expected Graduation: May 2023
MS in Computer Science   GPA: 3.84/4.0
Relevant Coursework: Programming Design Paradigms, Foundations of AI, Algorithms, Mobile App development(Android)

Smt. Kashibai Navale College of Engineering | Affiliated to University of Pune   **July 2015 - May 2019**
B.E. in Computer Science   *GPA: 8.57/10*
Relevant Coursework: Software Engineering, Cloud Computing, Data Structures, Computer Networks, Web Development

SKILLS

Languages:	Java, C#, Python, C++, Javascript (ES6)
Web technologies and Databases:	Angular, React, .Net Core, HTML, CSS, JSON, Node.js, MySQL, NoSQL (MongoDB)
Tools and Technologies:	Git, Jenkins, Postman, Kibana (Elastic Search), Grafana, Nuget, Invision, Linux, Visual Studio
Certifications:	Microsoft Web Development, AWS Cloud Practitioner, MongoDB Foundation, Core Java

WORK EXPERIENCE

JPMorgan Chase & Co., Pune, India (Tavisca Division)   **July 2019 - July 2021**
Software Engineer

Flight Search & Booking App | *Angular, HTML, SCSS, Jest, Git, Github, Storybook, BrowserStack*
- Built micro-apps, angular components, angular services and lit components for an extensive web app with features such as flexible date flight searches, add-to-cart, price change handling, seat selection and reward redemptions.
- Analyzed data requirements and integrated a Backend for Frontend (BFF) layer for both the desktop and mobile clients, constructed API contracts and collaborated with UX designers to facilitate better user experience and built.
- Setup Accessibility attributes using aria labels to comply with WCAG standards and accessibility testing using aXe.

Order Management Service | *C#, .Net Core, Git, Github, Jenkins, CI/CD*
- Developed a microservice with highly performant RESTful API's for performing CRUD operations on the data facilitating flights search and bookings.
- Set up complex and reusable translators, JSON validator layers, unit testing patterns, automated the entire flow to facilitate storage and retrieval of the offline flight bookings, built an SDK wrapper and created, published and maintained the Nuget package on the organization's Nuget package gallery using a Jenkins job.

System Log Analyzer | *C#, .Net Core, Kibana, Grafana*
- Developed an app for analyzing system generated logs to derive valuable insights, automate failure report generation, trigger event-based notifications using outlook mails and setup monitoring dashboards on Grafana.
- Created and managed a JIRA epic for issues identified by the analyzer app and contributed to fixing issues which led to a decrease in the failures caused by the system and business policies from 60% to 4% of the total failures.
- Identified discrepancies in the data supplied by the leading international flight itinerary suppliers and facilitated communication with them for resolution, decreasing supplier data related failures by 18% to 3% of the total failures.

Production Support & Monitoring
- Provided real time 24/7 on-call production support, monitoring and bug resolutions using the Kanban framework.
- Provided support in high severity level incidents and contributed to preparing Root Cause Analysis reports.
- Built a tool for modifying and migrating the system and stored user information to comply with the California Consumer Privacy Act (CCPA) by performing bulk soft deletions and PII masking.
- Worked in a special task force responsible for building an API flow to support bulk flight cancellations and reschedules due to COVID-19 pandemic and providing customers with cancellation credits w.r.t airline policies.

Alphonso Global Solutions, Pune, India   **July 2018 - August 2018**
Software Developer Intern
- Designed and built a MongoDB database for a B2B project of an online market place on the platform Sharetribe that facilitated exchanging of skilled developers on contract between different organizations.

PROJECTS

Dungeon Run | *Java, Junit, Java Swing, Design Patterns, MVC Pattern, Factory Pattern, Strategy Pattern*   **October 2021**
- Using Kruskal's method for dungeon maze generation, I created an interactive adventure game in Java that allows the player to walk through the dungeon, collect treasure, fight monsters, and find his or her way to the exit by leveraging object-oriented programming and design patterns like MVC, Factory and Strategy pattern along with a complete Junit test suite and Swing.

Predicting Delays and Cancellations in commercial Airlines using Machine Learning | *ScikitLearn, Pandas, Jupyter, Python, Numpy*   **February 2019**
- A project aimed to predict delays and cancellations in commercial airlines using ML. Predictions were made by combining historic flight dataset with meteorological dataset. Using a 2 stage pipeline, the model predicted flight cancellations using Decision trees with 98.52% accuracy and then flight delays in 15-minute intervals using AdaBoost with 87.80% accuracy.