SARABJOT SINGH

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EDUCATION

University of Washington, Tacoma, WA   Sept '20 – Dec '21
Master of Science in Computer Science and Systems • 3.91/4.0

Rajasthan Technical University, India   Jul '14 – May '18
Bachelor of Technology in Information Technology

PROFESSIONAL EXPERIENCE

Amazon.com Inc, Seattle WA – *Software Development Engineer II*   Feb '22 – Present
- Working on micro-service architecture in *display-ads* team to provide relevant ads to fireTV customers.
- Implemented contextual ads and working alongside stakeholders to drive engagement and revenue.
- Designed and implemented systems to reduce device load time by 60%.
- Created new services from scratch using the best practices for operational readiness.
- Implemented new service design to show screensaver ads on fire TV and reduce latency by 20%.
- Improved mapping of custom IDs through an API driven solution to increase supply of ads.

Slalom Build, Seattle WA – *Software Development Engineer in Test (SDET) Intern*   Jun '21 – Aug '21
- Accomplished 98% test coverage to improve feature delivery by creating complex automated tests.
- Enhanced user stories to improve product features by collaborating with developers, UI/UX, and DevOps.

Jaipur Rugs, India – *Software Developer*   Jul '18 – Sept '20
- Reduced data bottleneck in the system by 90% by switching from data entry in excel to mobile app.
- Improved data delivery by optimizing 5,000,000+ workflows by refactoring the middle layer.
- Increased customer base by 40% by migrating existing android applications to flutter for android and iOS.
- Enhanced UI/UX by designing various UI modules and improved feature visibility by 200%
- Developed and managed 200+ backend REST APIs spanning across 500k datasets in SQL.
- Persuaded leadership to initiate training by showcasing the projected improvement in product utilization.
- Earned *Special Mention* award at 10th mBillion South Asia's award for TaanaBaana Mobile App in Feb '20

PROJECTS

Semi-automated system for exploring and fixing Open Street Maps connectivity   Jan '21 – Dec '21
- Worked closely with Microsoft on scalability and adaptablity of Open Street Maps. [Open-Source project]
- Algorithmic Improvement: Replaced slow algorithms like BFS by Dijkstra and A* to optimize pre-processing of the raw data by 80%

Language & Technologies used**:** C#, JavaScript, PostgreSQL, Geo-Spatial datasets

Portfolio App   Jul '20 – Present
- Designed a portfolio mobile app in Flutter as a hobby. It contains custom animations, icons, themes, firebase, and a clean UI.
- The app is available on **play store,** and it is also compatible with the flutter web: **www.sarabjotsingh.in**

Language & Technologies used: Flutter, Android SDK, Swift, Git, GitHub Pages, DNS Routing, Google Analytics

TECHNICAL SKILLS

- **Programming Languages:** Java, C#, Typescript, Python, Flutter, JavaScript, Node.js, React, PHP, C++
- **Technologies and Tools**: Docker, JIRA, Bitbucket, GIT, AWS Web Services, Lambda, DynamoDB (NoSQL), EC-2, HTML, CSS, Tableau, Azure, SQL- Server, Git, Postman, Ubuntu, Asana, Salesforce.
- **Certifications:** Red Hat Certifications - RHCE and RHCSA (2016 - 2019)