Harmeet Singh

Address: 3145 S Canfield Ave, Apt 21, LA, 90034
Phone: +12132756590
Email: harmeet651@gmail.com

LinkedIn: www.linkedin.com/in/harmeet651
GitHub: www.github.com/harmeet651

WORK EXPERIENCE

Software Development Engineer – Zillow   Aug 2021 - Present

- Writing and testing API's and involved in application development using **Agile** development
- Worked on the various systems to improve the efficiency of customers and provide **scalable** software
- Leading team meetings for my team and Securitization project to get capital for Zillow to buy new homes
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Software Development Engineer – AMAZON, Seattle   March 2020 - Aug 2021

- Worked on a **remote strategy service** that is used for providing content for the Amazon Home, Detail, Mobile pages
- Designed, successfully implemented and ran experiments using different **strategies**, **generator algorithms** which use **personalized**, trending data to provide high quality shoppable images to customers. Used combination of high-performance cloud technologies like *AWS Lambda, ECS and DynamoDB* and followed Agile development best practices for test driven development
- Spearheaded the worldwide roll out of different card widgets by dialing and monitoring campaigns for all AWS Regions and driving discussions with senior engineers and business teams resulting in enhanced customer retention and reach.
- Introduced the Profiler technology to the current JVM-based systems to keep track of CPU utilizations of the code
- Rewrote exiting features using TypeScript as a part of Amazon wide migration to newer platform improving the overall performance, simplified deployment processes, end to end tests, test **code coverage** more than 90%

Software Developer Intern – LoanBeam (NMS), Dallas   May 2019 - August 2019 (4 months)

- Involved in application development using **Agile** methodology and TDD practices
- Worked on the various modules including Login System, authentication, authorization using **REST API's**
- Participated entire software development life cycle from planning to deployment.

Software Developer - Health Science Campus, USC, Los Angeles   July 2018 - June 2019 (1 year)

- Implemented website for USC games https://games.usc.edu/ with WordPress, HTML, CSS
- Maintained and added more functionalities and updated the pages with the latest content
- Programmed different VR-games focusing on hand and leg movements for example in-game virtual hands that move corresponding to brain activity- to train patients suffering from **Parkinson's disease**

EDUCATION

Master's in Computer Science   Jan 2018 - Dec 2019
University of Southern California, Los Angeles, CA
Courses: Web Technologies, Analysis of Algorithms, Mobile Game Development

Bachelor's in Technology in Computer Science   Jul 2013 - May 2017
University of Delhi, Delhi, India
Courses: Software Engineering, TOC, Artificial Intelligence

SKILLS

Languages	Java, C#, Python, SQL
Web Technologies	HTML, CSS, JavaScript/TypeScript, NodeJS, Bootstrap, AJAX, WordPress, JSON, REST
Tools/ Testing	Git, Junit, TestNG, Mockito, AssertJ, Cypress
Frameworks / Libraries	AWS CDK, Lambda, Cloud 9, Cloudwatch, CloudFormation, ASP .NET, MVC, Unity
Databases	Mongo DB, SQL Server, Oracle

PROJECTS

FoundItOnAmazon Cards – Typescript, Cypress

- Worked on the rendering layer and implemented a shoppable card that uses data from content providers to show shoppable cards to the customers
- Successfully wrote Integration tests for all Beta, Gamma, Prod stages and covered testing for different languages as well

FindPlaces - (Ajax, JavaScript, Boostrap3, NodeJS, Google API, AWS)

- Search for restaurants, cities, routes using **Google Maps, Yelp APIs** to find photos, directions, reviews for places
- Created a **responsive single-page application**, with AJAX, JavaScript, NodeJS and Bootstrap 3
- Implemented a **backend** API using Node.js and **Express** framework and deployed on **AWS**