Syed Mohammad Ibrahim

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SKILLS

PROGRAMMING
Python, Ruby, C/C++, Swift
MongoDb, MySQL, Amazon Redshift

NETWORK AND PENTESTING TOOLS
Hashcat, NMap, Hydra, Dig,
Searchsploit, Metasploit
Burp Suite, AFL

SOFTWARE TOOLS
Git/GitHub, Docker, Vagrant
Jenkins, Google Tag Manager

OPERATING SYSTEM
Linux, MacOS, Windows

EDUCATION

MASTER OF ENGINEERING, CYBERSECURITY
University of Maryland
Aug 2021 - May 2023 (Exp.)
College Park, MD, USA
Courses
- Introduction to Secure Coding
- Penetration Testing
- Hacking of C programs and Unix Binaries

BACHELOR OF ENG., COMPUTER SCIENCE
RGPV University
July 2013 - June 2017
Bhopal, India
Graduated with Honors

EXPERIENCE

POSHMARK | Chennai, India
Senior Software Engineer - 1 | April 2021 – August 2021
- Worked on building the infrastructure for the Milestone project with the help of utilities like RabbitMQ, MongoDB, and Sidekiq

Software Engineer - 2 | July 2020 - March 2021
- Implemented OAuth 1.0 and OAuth 2.0 protocols for connecting external services like Pinterest, Twitter, Tumblr, etc.
- Worked on implementing the shipping promo feature for guest checkout flow
- Worked on migration of the Share Settings page on the web from Rails to Vue.js and respective APIs

Software Engineer - 1 | November 2018 - June 2020
- Migrated the code for Ad Partners tracking from Server to Google Tag Manager (GTM)
- Enhanced the Posh Influencer and Posh Ambassador programs along with the usage of Cron Jobs
- Built the infrastructure for generating Image Sitemaps for indexing

TATA CONSULTANCY SERVICES | Chennai, India
Assistant System Engineer | July 2018 – November 2018
- Developed search functionality for the client's enterprise iOS App
- Built the native iOS unit testing framework to perform Test Driven Development (TDD)

Assistant System Engineer - Trainee | August 2017 – June 2018
- Worked on various kinds of test suites like selenium, HP Quick Test Pro, etc
- Worked on Front-end development as the final project for the training

PROJECTS

EMPLOYEE MANAGEMENT SYSTEM
C#, ASP.Net MVC Core, Microsoft Security Libraries
- A project to manage employees in an organization
- Primary focus was on addressing Common Weakness Enumeration(CWE) and Security

LAUGHTER CHALLENGE
HTML, CSS, Bootstrap, Javascript
- At hackathon named Game-Jam organized by Poshmark, we as a team created a Try Not to Laugh Challenge where the player will be presented with funny videos and will be tempted to laugh
- Created a webpage which renders a video section and a user camera section
- A miniature machine learning library is used for identifying the player's smile and scoring them accordingly

BLOWFISH CIPHER
Python
- Minor Project on implementing the Blowfish Cipher and using that to securely store credentials in a file