

Vishal Kumar

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Career Objective

Seeking responsible and challenging assignments in development and technical management with a reputed organization.

Experience Summary

- Bachelor degree (I.T) from West Bengal University of Engg. & Tech. with 2 yrs. and 3 months of rich experience in IT Industry as a developer under TCS Product development Team.
- A good knowledge/experience of working on product development (phases of product life cycle) and maintenance.
- Extensive knowledge on current android security threats and the vulnerabilities present in any android platform based application with OWASP mobile standard.
- Awarded “STAR OF THE MONTH” for extensive hard work and better performance.
- Good knowledge in Python Scripting and Agile Methodology.
- Extensive knowledge of Data Structure & Algorithm.
- Focused & goal driven with strong work ethics, continuously striving for improvement coupled with commitment to offer quality work.

Technical Competencies

Primary Competency – Python, C, Data Structure, SQL/Oracle

Secondary Competency – Java, Android, HTML5, JavaScript, SQL Server 2008

Tool	Skill
Source Code Standard and Packaging	Pylint and Pyinstaller
PMD	Source Code Analysis for code correction
Flowdroid	Static Taint Analysis for Android APK
Burpsuit & WireShark	Packet Intercept Analysis and Payload Injection
ADT bundle, My Eclipse, Visual Studio	Different IDEs for development purpose

Other Tools worked upon: - JD-GUI, JADX, apktool, SQLite Browser, dex2jar, IDLE.

Personal Project

1. Eclipse Plugin Development: Developed a plugin jar for eclipse which will do the static analysis on source codes and point out the problems in the project.

Work Experience Summary

Jan' 13 – current: Tata Consultancy Services, Bangalore as Assistant System Engineer

Project Name: Mobility Security (TCS Internal Product & Development Team)

Product: TCS Hy5 Test™ Security

Project Role: Developer & Security Test Engineer

Skills: Python 2.7, Windows, Mac OS, TCS MasterCraft, Pylint, Apktool, dex2jar, PMD, Flowdroid, Jadx, BurpSuite, Java, Eclipse Plugin

Responsibilities:

- Research for the Security vulnerabilities in Android Apps, converting them into design and doing implementation.
- Developing new features for the product and providing support for existing components/modules to new technology requirements.
- Making executable for both MAC and Windows platform.
- Responsible for fixing the bugs found in the product if any while testing.
- Maintaining the quality of the product by improving coding standards and performance of the tool.
- Performing the unit testing upon my developed code.
- Reviewing the team member's code, and helping them to fix the critical issues.
- Developing the codes for the application according to the requirement.
- Performing application security assessment in automated/semi-automated/manual mode.
- Conducting and analyzing application security level.
- Developing the report on possible vulnerabilities found in the application.
- Providing recommendations for fixing (also the steps to fix) the vulnerabilities.
- Providing regular status reports and support on assessment to the customer.

Project Name: - Mobility Development

Role: - Android Developer

Responsibilities:-

- Writing codes for making successful web services connection.
- Writing codes to parse the JSON content from the response of web services.

- Writing codes to show on the user interface accordingly to the response.
- Designing simple user interface for the mobile application to show the content parsed.

Customer: - Vodafone India Limited

Responsibilities:-

- Performing Dynamic and source code review of the application.
- Documenting all the vulnerabilities and providing mitigations.
- Explaining the impact of the vulnerability to the developers and managers.
- Developing the report on possible vulnerabilities found in the application.
- Providing recommendations for fixing (also the steps to fix) the vulnerabilities.

Project: - Initial Learning Program (ILP Project named Multiplex Automation System)

Role: - Team Leader (Developer)

Responsibilities:-

- Designing and analyzing the User Interface for the application.
- As a team leader, encouraging the team to think some innovative design for the application.
- Designing and making the database architecture for the required application.
- Distributing the work into the team and maintaining a healthy environment during work.
- Developing codes for some modules in the application.
- Analyzing the application view and discussing with the team for its problems/enhancements.
- Taking the status on work assigned to each team member on a regular basis to complete the project within the required time.

Academic Qualifications

- B.Tech degree in Information Technology from West Bengal University of Technology with CGPA of 8.43 out of 10.
- HSC in Mathematics from CBSE board with percentage of 87.20.
- SSC from CBSE Board with percentage of 83.60.

Achievements

- Awarded “STAR OF THE MONTH” for extensive hard work and better performance.

- Got the “CERTIFICATE OF APPRECIATION” from “MICROSOFT” for the course completion.
- Participated in workshop on “MANUAL ROBOTICS” in college organized by “ARE-LABS”.
- Won the CERTIFICATE OF APPRECIATION for the robotics event “Death Race” organized in college.
- Participated in workshop on “AUTONOMOUS ROBOTICS” organized by ARE-LABS.
- Participated in workshop on “ETHICAL HACKING & INFORMATION SECURITY” organized by IIT Kharagpur.
- Coordinator in “National Level Robotics Festival- ROBOSPHERE’10” at Bengal College of Engg. & Tech.
- Represented my college in Robotics events held at different high profile colleges like NIT Durgapur, IIT Guwahati and IIT Mumbai.
- Awarded Honor Certificate in “MATHEMATICS KNOWLEDGE TEST” held in 2004.

Personal Details

Father’s Name – Mahendra Prasad

Gender – Male

Nationality – Indian

Languages – Hindi, English

DOB- 18th December 1990

Passport No - K2533327

Current Address - #137, Manjunath Layout, 10th cross road, Munnekolal, Marathalli, Bangalore-37

Declaration:

I confirm that the information provided by me is true to the best of my knowledge and belief.

Place – Bangalore

Vishal Kumar