

Professional Summary

- Software engineer with around 3years of professional experience in the field of software design, development, as well as product security
- Experience in SDLC (Software Development Life Cycle) and SOA (Service Oriented Architecture) using REST micro-services. Handled many end-to-end development tasks
- Expertise in working with Agile Software methodology, incorporating incoming changes in the development
- Team player with an optimistic attitude addressed many challenging problems and provided effective solutions
- Strong debugging and troubleshooting abilities accompanied with good mentoring skills for onboarding of new team members

Skills

o Data Structure	o PostgreSQL	o Computer vision
o Algorithm	o Elastic Search	o Git
o Java	o Lucene	o Jenkins
o AngularJS	o ActiveMQ	o Eclipse
o ReactJS	o Threat Modeling	o Fortify
o Java GWT	o MITRE Att&ck	o Visual studio code
o Spring Boot	o Java Memory	o TensorFlow
o Data Objects	o Machine Learning	o Problem Solving

Work Experience

Senior Software Development Engineer Feb 2020 - Present
Micro Focus, India

Recently, have been promoted to the current role at Microfocus. Additionally, assigned the role of Security Champion for the product Sentinel.

- Currently, have started taking ownerships of complete features for an upcoming release, as well as started leading critical market problem solutions.
- Have a fundamental understanding of MITRE Att&ck framework, as well as have implemented its support in the product.
- Integrated and automated the Fortify security static code scans for the product source code, as well as regularly observe and mitigate vulnerabilities found through the scan.
- Received a chance to mentor freshers in the team helped to provide ground fundamentals.

Software Development Engineer July 2018 - Feb 2020
Micro Focus, India

At Microfocus, work in the security product domain. In my period of service in the company, worked in releases of popular products like Sentinel and ArcSight Smart-connectors.

Contributions:

- Have supported DevOps team, hence have good familiarity with Jenkins tool and product building and deployment.
- Working on release backlog helped in gaining in-depth knowledge in Java, Spring, AngularJS and GWT
- Have experience in optimization of components in the product, helped in better understanding of multithreading and Postgres DB
- During complete feature development have got to work on technologies like ActiveMQ, Lucene and Elastic Search
- Have worked on automating rebase of whole security products codebase into GitHub, as well as managing various roles and hooks in the Git platform through Python scripting and GitHub APIs
- Faced challenge during a recent Lucene library upgrade as new version of it was not backward compatible, thus devised innovative and efficient solution for seamless product upgrade support
- Encountered various customer issues regarding product performance, was successfully able to mitigate these issues through strong hold on java memory management and memory dump analysis tools

INAE Internship

May 2016 - July 2016

IIT Bhubaneswar, India,

As part of the Indian National Academy of Engineering (INAE) Internship program, worked at IIT Bhubaneswar under Prof Ganapati Panda for developing and simulating various methods for line, word and character segmentation of unconstrained Odia documents for Optical Character Recognition of Odia Scripts.

Contributions:

- Conducted a detailed analysis and comparison of existing state of the art line and word segmentation algorithms
- Proposed and devised a novel character segmentation technique
- Developed various neural network models for recognition of Odia characters
- Works during this internship period were later published through international conferences

Education

M.Tech. – B.Tech. Degree Computer Science & Engineering 2013–2018
National Institute of Technology (NIT) Rourkela, Odisha
Major: Information Security
CGPA: 8.48/10

Intermediate in Science (C.B.S.E.) 2011–2013
Delhi Public School, Cuttack
Percentage: 93.4%

Matriculation (I.C.S.E.) 2000–2011
Loyola School, Bhubaneswar
Percentage: 91.81%

Projects

Detection of Bad Sitting Posture December 2020
This project aimed at notifying the individuals sitting in front of the laptop when their posture is incorrect. Capturing live feeds from the laptop web cam and detection of facial component was implemented through Python OpenCv. Furthermore, the Harrcascade classifier used for facial component detection.

AI-based Chatbot Assistant September 2018
The goal was to create a chatbot for the human resource management purposes, specifically the on-boarding process. Google's Dialogflow was used for implementing this project. The bot was tested on integration with the slack messaging platform.

Intrusion Detection System May 2017 - May 2018
As a part of the project, proposed novel methods for IDS development and KDD'99 data-set to compare it's performances with existing methods. Finally devised an attack design using Generative Adversarial Network (GAN) that significantly increases false positive rate of machine-learning based IDS. Implemented using Python TensorFlow.

Object Tracking January 2016 - April 2016
A project, aimed at tracking multiple objects using a Pan-Tilt-Zoom (PTZ) camera and determining the best view of an object from multiple PTZ camera network so as to produce a continuous tracking video. Implemented real time object tracking using Intel OpenCV.

Accomplishments

2020: Pet project won the Hackfest-2020, Micro focus, India
2020: Selected as the member of Young Talents Club at Micro focus, India
2018: Pet project won the Hackfest-2018, Micro focus, India
2016: INAE Summer Internship under the mentor-ship of INAE fellows
2015-16: Academic Laurel- 1st rank in the branch
2013: Awarded Medhabruti Scholarship by State Government of Odisha

Publications

Details regarding publications are available on [google scholar site](#)