

# PASSAWIT KAOVILAI (TIGER)

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## SUMMARY

I have experience in front-end, back-end development and linux server operations. From IPTABLES to Java and Javascript, I touch a bit of everything in my everyday projects.

Tech Stack: Java, VueJS/Vuex, NodeJS, Flutter/Dart, JavaScript, HTML/CSS, Python, SQL, C, Bash, Powershell, Ansible, Kubernetes

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## EDUCATION

**B.S. Computer Science, Industrial and Systems Engineering @ NC State University**

May 2021

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## EXPERIENCE

**Front End Engineer and Server Admin @ North Carolina State University**

Jan 2021 - ongoing

- Researched potential solutions to address pain points of ergonomic evaluations on a manufacturing facility. Made data entry interactive and error free for ergonomic engineers at a Fortune 500 company.
- Responsible for Vue.JS UI and Administering Red Hat Enterprise Linux 6 Server running Django REST API and Microsoft SQL Express 2019.
- Assists analysts and data scientists in retrieving the data from locations across the globe.
- Features: Ergonomic (REBA/RULA/NIOSH) metrics automatic calculation, central data collection, submitted forms editing.

**Cloud Software Engineer Internship - Technical Marketing @ Red Hat**

May – Aug 2019

- Assisted software teams writing Ansible Playbooks deploying Kubernetes Containers on OpenShift for [redhat-cop/agnosticd](#) for Red Hat Partner Demo System. RHPDS offers users ordering system for containerized environment to try out our products.
  - Teams involved: [OpenShift Container Storage](#), [OpenDataHub.io](#) and [ServiceMesh \(maistra.io\)](#).
- Worked on technical workshops and learning tools.
  - Content writing for [openshift/openshift-cns-testdrive](#).
  - Refactored workshops from copy pasting to click to run ([Workshopper](#) to [Homeroom](#)).
- Reported issues to [openshift-homeroom](#), [openshift-labs/learn-katacoda](#), and others.
- Technologies used: Red Hat OpenShift, Kubernetes, Ansible, Python, BASH, Markdown, ASCIIDoctor, Docker, HTML/CSS, YAML, GitHub, VIM, VSCode, Trello Kanban Board, ServiceNow.
- Courses: Ansible Engine Foundations, OpenShift Container Platform (OCP) Operators, OCP4 Installation, OCP4 Foundations.

**Full Stack Software Engineer Internship @ Deutsche Bank Global Technologies**

Jun – Jul 2018

- Implemented change requests to AngularJS and Oracle SQL Database for a production application utilized by analysts across the globe.
  - Updated developer documentations on Atlassian Confluence to assist with on-boarding new team members and development notes.
  - Technologies used: AngularJS, HTTP/CSS, Oracle SQL Developer, SpringBoot, Java, Maven, Confluence, BitBucket, JIRA, ServiceNow, Swagger UI, TensorFlow, Keras.
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## PROJECTS

**[AdJS Website Advertisement Injector](#) – JavaScript, HTML, CSS, CSS Animations**

2020

- Allows blog owners to swap and rearrange website hyperlinked image assets including advertisements by updating JSON list.
- In-use at my blog at [blog.tig.pw](http://blog.tig.pw) to assist with advertisement assets changes as well as Credit Card images on my “Virtual Wallet” which were also developed to interact like today’s mobile wallets using CSS Animations and JavaScript.

**Coupon Generation and Printing Solution – VBA for Excel**

2018

- Generates coupon layouts, executes printing, and store coupon unique anti-counterfeit information on a Microsoft Excel database allowing Excel fluent executive to be immediately familiar with using information generated by the program.

**WolfScheduler – Java**

2017

- A class scheduling software. This project utilizes Java Object Oriented programming concepts like polymorphism, inheritance, abstraction, encapsulation, overriding, interfaces, and packages. JaCoCo Unit Testing, Continuous Integration using Jenkins, Black Box/White Box Testing, Static Analysis using PMD and Checkstyle, Designed with UML diagrams, Documented with JavaDoc.
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## CERTIFICATES AND AWARDS

[Google Cloud Platform Fundamentals: Core Infrastructure – Coursera](#)

Dec 2019

[Gold Badge for Java – HackerRank](#)