







# CYCUS PECTUS

SOFTWARE ENGINEER | CYBERSECURITY  
EXPERT | DEVOPS ENGINEER | CLOUD  
ENGINEER  
(DEVSECOPS)

-  **Linkedin**  
<https://www.linkedin.com/in/cycus-pectus-/>
-  **Github**  
<https://github.com/cy-cus>
-  **Email:**  
pectuscycus@gmail.com
-  **Phone number**  
+254741076621

## ABOUT ME

As a highly skilled and experienced Senior Software Engineer, I possess a broad range of expertise in Python, Go/Golang, NodeJS, Django, Flask, Docker, Kubernetes, and cloud platforms such as Azure, Google Cloud Platform (GCP), and AWS. In addition to my technical skills, I have a strong background in cybersecurity, with proficiency in identifying and reporting potential threats. I have successfully helped secure renowned organizations including Wamba.com, Safaricom PLC, Harvard University, Oppo, IKEA, Indrive, and more. By conducting thorough vulnerability assessments, I have played a crucial role in safeguarding their systems and data. My comprehensive knowledge of DevOps, CI/CD, and cloud security allows me to deliver solutions that not only meet functional requirements but also adhere to the highest standards of security and compliance. With exceptional problem-solving abilities and effective communication skills, I consistently deliver high-quality software solutions that exceed client expectations and ensure the protection of valuable assets in today's evolving threat landscape.

## TECHNICAL SKILLS:

- Programming Languages:** Python, Go/Golang, NodeJS, MATLAB
- Web Development & Frameworks:** Django, Flask, HTML, CSS, Javascript
- Cloud Platforms:** Google Cloud Platform (GCP), AWS, Azure
- Containerization:** Docker
- Orchestration:** Kubernetes
- Databases:** PostgreSQL, MongoDB,, OracleDB
- APIs:** Restful APIs, GraphQL
- DevOps:** Docker, Kubernetes, Jenkins, Git, Ansible, Cloud computing, CI/CD
- Version Control:** Git
- Scripting and automation:** Selenium, Bash, Python
- Data Engineering:** Data migration, data modeling, ETL
- Machine Learning:** Scikit-learn, TensorFlow, Keras, PyTorch
- Cybersecurity:** Cloud security, Network security, Web and mobile app security
- Others:** Linux System Administrator ,Problem solving, ERP,Odoo Development, PLSQL, Oracle EBS , AWS Lambda



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## WORK EXPERIENCE

### **Senior Software Engineer | Devops Engineer Intel-Effect Business Solutions**

June 2021 to January 2023 (Full-Time)

- Developed software solutions using Python, Django, Flask, Matlab, and Go/Golang, ensuring high-quality, secure, and scalable applications.
- Utilized databases like PostgreSQL, MongoDB, and Oracle Database for efficient data storage, migration, and modeling in various projects.
- Specialized in cloud engineering and utilized cloud platforms such as Google Cloud Platform (GCP), AWS, and Azure to deploy and manage applications seamlessly.
- Implemented containerization with Docker and orchestration with Kubernetes, optimizing application deployment and management processes.
- Used my expertise in DevOps practices, including Jenkins, Git, Ansible, and cloud computing, enabling automated software deployment, testing, and continuous integration.
- Leveraged data engineering techniques, including data migration, data modeling, and Extract, Transform, Load (ETL) processes, to support business operations and enable data-driven decision-making.

### **Software Engineer | Penetration Tester Cyteque Technologies**

January 2020 to January 2023 (Contract Based)

- Designed and developed robust and scalable web applications using Python, Django, Flask, NodeJS, and React at Cyteque Technologies.
- Conducted penetration testing on web applications to identify potential security vulnerabilities and provided valuable insights to enhance overall security posture for different companies.
- Leveraged expertise in cybersecurity, including web application penetration testing and network penetration testing, to uncover vulnerabilities and recommend mitigation strategies.
- Utilized cloud engineering and DevOps expertise to optimize cloud systems security and facilitate efficient software deployment.
- Experienced in data engineering and proficient in Linux operating systems, contributing to data management and infrastructure maintenance.
- Collaborated with cross-functional teams to ensure effective communication and deliver high-quality products that met client needs.



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## WORK EXPERIENCE

### **Ethical Hacker**

#### **Hackerone | private Bug bounty programs**

January 2020 to January 2023 (Part-Time)

- Served as a Bug Bounty Hunter at HackerOne and on other private bug bounty programs, contributing to the security of prestigious organizations including Harvard University, Wamba.com, Safaricom PLC, Indrive, Oppo, and Ikea.
- Utilized expertise in vulnerability identification to discover and report security vulnerabilities in their systems and services.
- Delivered actionable reports that provided valuable insights and recommendations to enhance their overall security posture.
- Played a key role in improving the security and resilience of the mentioned organizations by actively participating in bug bounty programs.
- Demonstrated a strong commitment to cybersecurity and contributed to the protection of sensitive data and assets for renowned entities.

### **Freelance Programmer**

#### **Upwork | individual Companies**

October 2018 to June 2021 (Freelance)

- Developed and delivered high-quality software solutions as a freelance software developer for clients.
- Utilized Python, Django, and Flask to create custom web applications, ensuring functionality and user satisfaction and employed MATLAB for data analysis and modeling.
- Implemented HTML, CSS, and JavaScript to design and develop responsive and interactive user interfaces.
- Collaborated closely with clients, leveraging excellent communication skills, to understand their requirements and deliver tailored solutions that precisely met their needs, ensuring high client satisfaction.
- Demonstrated strong problem-solving skills and attention to detail to address technical challenges and ensure smooth project execution.

## EDUCATION HISTORY



### **Bachelor of Science in Mathematics and Computer Science**

Taita Taveta University

2017-2021