CYRILLE ARNOLD NLEM EBO'O

Postgraduate Computer Science Engineering Student

ABOUT ME

Hello, I am Cyrille. I am 22 and currently a post graduate student in Computer Science Engineering. I am open to good opportunities and am available from any socials, mails or mobile number provided on this CV.

PROFESSIONAL STATUS

🧑 Full-Time Postgraduate Student

🟢 Open to opportunities

📧 Contact me

LANGUAGES

- French
- English

EXTRACURRICULAR ACTIVITIES

1. **Basketball Player | 6 Years**
   - Dedicated basketball player with five years of experience in competitive play and team collaboration.
   - Developed strong leadership, discipline, and time management skills through regular training and participation in tournaments.
   - Demonstrated commitment and perseverance by balancing academic responsibilities with basketball training and matches.
   - Contributed to a supportive team environment by fostering communication and teamwork on and off the court.

2. **Passionate Reader | 3+ Years**
   - Avid reader of diverse materials, including manga, general knowledge books, and fiction, fostering a broad understanding of various subjects and cultures.
   - I cultivated strong analytical and critical thinking skills through extensive reading and engagement with complex literary works.

3. **French and Mathematics Tutor/Teacher | 3+ Years**
   - Utilized native proficiency in French to effectively teach the language to Indian students, fostering a deeper appreciation for French culture and language.
   - Provided tutoring support in Mathematics to both Indian and Cameroonian students, demonstrating adaptability in explaining concepts to learners from diverse backgrounds.
   - Facilitated students' academic growth by implementing personalized teaching methods and closely tracking their progress.
   - Developed excellent communication and interpersonal skills, essential in conveying ideas and engaging with learners effectively.

Personal Profile

As someone who has consistently provided solutions, I consider myself a problem solver. Whenever I had the opportunity, I always went above and beyond to provide or suggest solutions. I possess confidence in my abilities within my area of expertise and have the potential to be an effective leader who continues to learn and improve with experience.

Technical Skills

- **Software Engineering**
- **Web Development** : Javascript, CSS3, HTML5, Bootstrap, Materialize, Google Sites
- **Cloud Computing** Oracle Cloud Infrastructure, Amazon Web Services
- **Cybersecurity**
- **Code and Software version control** GIT, GitHub
- **Data Structures and Algorithms**
- **Numerical Analysis**
- **Google Workspace and MS Office**
- **Operating Systems** Windows and Linux
- **Data Visualization and Manipulation** Python, PowerBI, Structured Query Languages, Spreadsheets

Soft Skills

- Project Management
- Leadership
- Communication
- Punctual
- Proactive
- Time Management

Projects

1. **Blogging Web Application:**
   - **Django Framework:** Leveraged the powerful Django framework to build the application, benefiting from its built-in authentication, templating, and database management features.
   - **CRUD Operations:** Implemented Create, Read, Update, and Delete (CRUD) operations for blog posts and comments, providing a seamless user experience.
   - **User Authentication:** Integrated secure user authentication to safeguard user accounts and manage access control effectively.
   - **Templating and Front-end:** Designed responsive and visually appealing templates using HTML, CSS, and JavaScript to enhance the user interface.
   - **Input Validation:** Implemented input validation and sanitization to prevent common security vulnerabilities like SQL injection and cross-site scripting (XSS) attacks.
   - **Authorization:** Enforced proper authorization checks to ensure that only authorized users can perform specific actions, maintaining data integrity and user privacy.
   - **Error Handling:** Implemented appropriate error handling and logging mechanisms to detect and respond to potential security incidents.
   Github Link: https://github.com/cane0/django-blog-app

2. **Budget Management Web Application:**
   - **Financial Calculations:** Implemented algorithms to perform accurate financial calculations for tracking income, expenses, and savings.
   - **Data Privacy:** Ensured the confidentiality of financial data by implementing secure data storage and access controls.
   - **Authentication and Authorization:** Employed robust authentication mechanisms to authenticate users and controlled access to sensitive financial information through role-based authorization.
   Github Link: https://github.com/cane0/django-budget-app

3. **Secure File Management System:**
   Description: I developed a Django-based web application comprising two main modules - Key Management System and File Management System. Implemented user authentication and profile management functionalities to ensure secure access control.
   - **Data Encryption and Decryption:** Utilized the RSA algorithm with advanced techniques like the Chinese Remainder Theorem, Montgomery Method, and Sliding Window Exponentiation to enhance encryption and decryption performance while maintaining robust security.
   - **Access Controls:** Implemented stringent access controls to ensure that only authorized users can interact with sensitive data.
   - **Secure Data Handling:** Implemented measures to safeguard user files and sensitive data, preventing potential data breaches or leaks.

Courses and Ongoing Certifications

Certifications:
- Google Cloud: Cloud Engineer - Associate
- JNCIA-Cloud: Cloud Associate
- Oracle Cloud: Oracle Cloud Infrastructure - Architect Associate **(Completed)**
- Palo Alto: Palo Alto Networks Certified Cybersecurity Entry-level Technician

Courses:
- **Architecting with Google Compute Engine**
  Google Cloud, Coursera
- **Introduction to Cybersecurity**
  Palo Alto
  Completion ID: 219847408
- **Fundamentals of Network Security**
  Palo Alto
  Completion ID: 218059241

Professional Experiences

Megasoft, Yaounde
Intern Developer
(July 2019 - November 2019)

I had daily tasks within the company, they helped me develop a variety of skills some of which are:

- Writing MySQL queries to create, update and delete tables in various databases.
- Migration of database
- Identifying and reporting errors for corrections.
- Database Security: Securing databases, implementing access controls, and best practices for protecting sensitive data.
- Vulnerability Assessment: Experience in identifying weaknesses and vulnerabilities in applications and systems to enhance their security posture.
- Data Privacy: Awareness of data privacy regulations and practices for safeguarding user data.
- Secure Coding: Familiarity with writing secure code and implementing security measures in applications to prevent common vulnerabilities.
- Functional and Security Testing of applications

Cialfor, Pune
Intern (Remote)
(March 2021 - June 2021)

Despite the internship being held online (Due to the COVID Pandemic), I gained invaluable knowledge given that it was a startup and as such, communication was prioritized more than anything. I got experience in working physically unsupervised and keeping tight schedules.

Through this internship, I got insights of a few tools and techniques that I make use of in my work today, they are:

- Understanding the principles of secure smart contract development
- Exploring the cryptographic principles underlying blockchain technology can help understand secure key management, digital signatures, and encryption techniques used to ensure data integrity and privacy.
- Identity and Access Management
- Blockchain Development
- Web3 Integration
- Scalability and Performance
- Security by Design
- Testing and Auditing of blockchain applications

PricewaterhouseCoopers, Douala
Cybersecurity, Privacy, and Forensics Data Protection Intern
(June 2022 - September 2022)

Throughout my internship at the second-largest professional services network in the world I built and enhanced skills in -

- Risk Analysis based on the ISO 27001 Framework
- Analysis of vulnerabilities data (collected through logs)
- Establishing a gap analysis
- Enterprise thinking. (Thinking to the most granular levels) What impact can seemingly good/bad ideas may have company-wide.
- Giving detailed documentation of procedures for applying various security rules.
- Miscellaneous: Cybersecurity audit of data suppliers
- Miscellaneous: Creation and Update of Information Security website for sensitization within the firm.
- Working within a broad network.
- Identifying possible data exfiltration routes.
- Providing/Suggesting solutions (to the Chief Information Security Officer) the most efficient ways to implement various security rules without affecting business activity.

Ernst and Young, Abidjan
Financial Audit Information Technology, Intern
(December 2023 - September 2024)

Within my internship at one of the **"BIG FOUR"** I worked and developed the following skills -

1. **IT General Controls (ITGCs) Assessment**
   - Conducted assessments of ITGCs for clients, focusing on areas like access control, change management, and backup procedures.
   - Participated in walkthroughs with clients to understand IT systems, documenting findings and control weaknesses.
   - Supported the audit team in identifying deficiencies and control gaps, providing recommendations for remediation.
2. **Information Technology Applicative Controls (ITACs) Review:**
   - Reviewed and tested automated IT controls within financial systems to ensure accuracy and integrity in transaction processing.
   - Evaluated control effectiveness in areas such as data validation, interface testing, and system calculations.
   - Assisted in preparing documentation on control testing, results, and conclusions for the audit reports.
3. **Data Migration Audits**
   - Assisted in reviewing migration activities for system upgrades and replacements, focusing on data integrity and completeness.
   - Verified the success of data migrations by cross-checking data consistency between legacy systems and new environments.
   - Conducted control testing around migration processes to ensure accuracy and completeness of data transferred.
4. **Client Communication and Documentation:**
   - Collaborated with clients and audit teams to gather key IT system information and clarify audit queries.
   - Prepared audit work papers and documentation to support audit findings, including control matrices and test plans.
5. **Use of Audit Tools & Data Analytics:**
   - Gained hands-on experience with audit and data analysis tools like Alteryx (for advanced analytics automation) and EY's proprietary audit tools.
   - Worked in automating control testing processes using scripts and macros to enhance audit efficiency.

Education

Dual Degree (B.Tech Computer Science Engineering + M.Tech Cloud Computing and Information Security)

Suresh Gyan Vihar University, Jaipur, India

[Ongoing]

Relevant Courses:
- Numerical Analysis
- Introduction to Programming with C and C++
- Data Structures and Algorithm
- Discrete Mathematics
- Database Management Systems
- Software Engineering
- Clean Code Design
- Network Security
- Ethical Hacking
- Cloud Computing Fundamentals
- Cloud Security and Privacy
- Cloud Deployment and Migration
- Continuous Integration
- Cloud Security Testing and Vulnerabilities
- Big Data
- Blockchain and Cloud Integration
- Software Development Project (with AWS)
- Cybersecurity Project