# Interview for Web Engineering Position - Canonical Application

## 1 Web Engineering Experience

# 1.1 1. What skill or knowledge have you acquired in the past year that has been particularly helpful?

Over the past year, I have significantly advanced my expertise in Full-Stack(Front-end & Back-end) Flask app for web development, focusing on UI refinement, API integration, security authentication systems, and scalable application design. This knowledge has been crucial in building secure, high-performance systems that enhance user experience while ensuring data protection.

As the Founder & Director of Lino.AI, I have specialized in:

- Web Security & Authentication Implementing multi-factor authentication (MFA), secure login protocols, and encryption strategies to safeguard user data.
- Data Structures & Algorithm Optimization Applying Graph Theory, hashing techniques, and efficient database queries to improve application responsiveness and scalability.
- API-Driven Systems Developing structured Flask applications that seamlessly integrate with third-party services and banking solutions.
- UI/UX Refinement Designing professional responsive layouts with intuitive navigation and structured content presentation.

**Key Projects** I have applied this experience in multiple real-world projects, demonstrating proficiency in security, scalability, and structured development:

- Samsung Phone E-Commerce Website A business-to-customer platform that enables users to browse available phones, compare prices, and communicate directly with sellers via WhatsApp, phone calls, and email. The live website is accessible at PhonePlace Kenya.
- SaccoApp for Daima Sacco A Flask-based homepage designed for secure banking integrations, including Visa, Mastercard, and financial transactions. The application supports loan applications and digital payments while prioritizing authentication security.

- FromLino App A custom interactive web application emphasizing design aesthetics, responsive UI, and seamless functionality, available online at FromLino App.
- St. Matthew's Boarding School Communication Platform A multi-role authentication system where users log in as students, parents, teachers, or the principal, receiving role-based access to timetables, official communications, fees, and events. This system integrates Graph Theory for security structuring, Flask for authentication, and API-driven data retrieval.

Through Lino.AI, I have successfully developed these secure, scalable web solutions, balancing professional UI design with structured authentication systems.

### 1.2 2. What motivated you to learn it?

My motivation to deepen my expertise in Full-stack Flask app developer, cyber-security, API integrations, and UI/UX refinement stems from my passion for creating secure, scalable, and efficient web applications. I was particularly driven by:

- The need for stronger security in web applications Seeing vulnerabilities in online systems made me prioritize authentication, encryption, and cybersecurity strategies to ensure data integrity.
- Scalability and efficiency challenges I wanted to optimize web solutions that could handle large user interactions, database queries, and real-time API responses without compromising performance.
- My leadership role at Lino.AI As the Founder & Director, I needed to build platforms that are not only technically robust but also aesthetically refined and business-ready.
- Enterprise collaborations Working on projects like the Samsung E-Commerce Website and Daima Sacco's digital banking solution motivated me to enhance authentication workflows, seamless API connections, and secure transaction processing.

By combining my knowledge in **web security**, **UI/UX principles**, and **scalable architecture**, I have refined my ability to develop **enterprise-grade applications that merge functionality with security**. My continued growth is fueled by the ambition to implement cutting-edge AI-driven security measures and high-performance web solutions.

### 1.3 3. What has the impact been for you and your team?

My experience in **web engineering, security optimization, and scalable architecture** has had a significant impact on both my personal development and my team at **Lino.AI**. Key outcomes include:

- Enhanced security implementations By applying multi-factor authentication (MFA) and secure API protocols, I have helped reinforce data protection strategies for business applications like Daima Sacco's banking solution.
- Optimized web development workflows Implementing structured Flask-based solutions, API integrations, and database optimization has helped the team develop scalable systems with high-speed processing and secure authentication.
- Improved collaboration and mentorship Through Lino.AI, I have shared knowledge on UI/UX design, authentication security, and API-driven workflows, mentoring peers to build professional-grade solutions.
- Business integration success My ability to design secure financial systems has contributed to the professional structuring of platforms that businesses rely on for safe transactions.

These advancements have positioned my team as strong innovators in **secure web** development, shaping solutions with a focus on data integrity, efficiency, and usability.

## 1.4 4. Describe your experience with web programming.- JavaSCript, Typescript, React, CSS and Python

My web programming experience is rooted in developing secure, scalable, and user-centric applications, with a strong emphasis on Flask-based backend development, API integrations, authentication security, and responsive UI design. Throughout my journey, I have built projects that align technical precision with business needs. Key aspects of my expertise include:

- Backend Development: Extensive experience using Flask to structure web applications efficiently, integrating RESTful APIs, database management, and dynamic content rendering.
- Authentication Security: Implemented multi-factor authentication (MFA), hashed password storage, and encryption protocols to safeguard user access and sensitive data.
- Scalable Web Architecture: Designed systems with modular Flask blueprints, optimized database queries, and API-driven workflows, ensuring long-term growth potential.
- Responsive UI/UX Design: Crafted intuitive front-end experiences using HTML, CSS, Bootstrap, JavaScript, refining accessibility and user engagement.

• Business-Oriented Development: Developed practical solutions such as the Samsung E-Commerce Website, Daima Sacco's web banking system, and role-based authentication platforms that solve real-world challenges efficiently.

Through my role as the **Founder & Director of Lino.AI**, I have deepened my web programming knowledge by building **security-first digital platforms** that integrate financial systems, enterprise authentication methods, and scalable backend infrastructure.

## 1.5 5. Describe your experience building large systems with many services.

My experience in developing large-scale systems has been centered around security-first architecture, structured authentication, and API-driven integration. At Lino.AI, I have built platforms that seamlessly connect multiple services while ensuring data protection, scalability, and efficiency. Some of my key contributions include:

- Samsung Phone E-Commerce Website This project integrates multiple components such as WhatsApp messaging, product price comparison, and secure transactions, creating a reliable customer-to-business communication system.
- SaccoApp for Daima Sacco Designed with secure banking transactions in mind, this application connects user authentication, financial data encryption, and role-based access control for efficient handling of financial operations.
- St. Matthew's Boarding School Communication Platform A multi-role authentication system where students, parents, teachers, and administrators access tailored information. This system manages secure data retrieval, notifications, event scheduling, and hierarchical role permissions.

To handle the complexity of these systems, I have applied **Graph Theory for structured access control**, **Flask for backend efficiency**, and **API integrations for seamless third-party interactions**. Additionally, maintaining a well-documented structure using **LaTeX** has been crucial in ensuring scalability and ongoing system enhancements.

# 1.6 6. What are the key things to think about in regard to architecture, maintainability, and reliability in large systems?

Designing large-scale web systems requires a structured approach to architecture, maintainability, and reliability, ensuring seamless frontend interactions, RESTful API integrations, data storage efficiency, event processing accuracy, and component communication. Some key considerations include:

### • Web Frontends:

- Ensure **responsive UI design** with clean navigation for enhanced user experience.
- Optimize frontend rendering using lazy loading, caching strategies, and asynchronous requests.
- Implement secure authentication flows for user interactions to prevent vulnerabilities.

### • RESTful APIs:

- Follow RESTful principles, ensuring consistent URI structuring, stateless transactions, and secure data communication.
- Implement rate limiting, error handling, and validation strategies to enhance API robustness.
- Utilize OAuth or JWT-based authentication to maintain secure API access.

#### • Data Stores:

- Select appropriate database models (SQL for structured data, NoSQL for scalable document-based storage).
- Optimize queries with **indexing**, **caching**, **and partitioning** to prevent bottlenecks.
- Ensure regular backups, failover mechanisms, and database replication for recovery.

#### • Event Processing:

- Implement **message queues (RabbitMQ, Kafka)** to handle real-time events asynchronously.
- Use **event-driven architectures** for scalability, allowing background processing workflows.
- Ensure **error recovery mechanisms** to avoid message loss.

### • Component Integration:

- Design loosely coupled microservices to enhance modularity and scalability.
- Establish observability tools (logging, monitoring, and health checks) to detect system failures.

 Maintain structured API contracts, documentation, and versioning for seamless integration across evolving software components.

By prioritizing these architectural principles, web systems remain **highly scalable**, **secure**, **and maintainable**, ensuring long-term usability and efficiency in enterprise environments.

### 1.7 6. Describe any experience you have with Flutter.

Flutter is a powerful framework for building **cross-platform mobile and web applications**, and I have explored its capabilities in **UI development**, **state management**, **and backend integration**. My experience includes:

- State Management Implemented structured state handling using Provider and Riverpod to manage app-wide data efficiently.
- UI Development Designed responsive user interfaces using Flutter's widget-based approach, ensuring smooth animations and adaptive layouts.
- API Integration Connected Flutter applications with RESTful APIs, enabling secure data retrieval, authentication workflows, and dynamic content updates.
- Performance Optimization Applied lazy loading, efficient widget tree updates, and caching mechanisms to enhance responsiveness.
- Security Implementation Integrated authentication systems using Firebase Auth and JWT-based security models to protect user data.

Flutter's ability to deliver fluid, high-performance applications across multiple platforms makes it a valuable tool for structured mobile and web development. I am finalizing on making it one of my frameworks to work with at Lino.AI company.

### 2 Software Engineering Experience

### 2.1 What kinds of software projects have you worked on before?

I have developed and contributed to multiple scalable, security-conscious, and high-performance applications, spanning web platforms, authentication systems, and e-commerce solutions. My projects focus on real-world usability, integrating efficient backend architectures, cybersecurity principles, and data-driven decision-making. Key projects:

- Samsung Phone E-Commerce Website A business-to-customer marketplace enabling seamless product browsing, price comparisons, and direct customer engagement through WhatsApp, email, and phone call integration. Built with structured data flows and API-driven interactions, ensuring real-time updates on product availability.
- SaccoApp for Daima Sacco A financial web platform undergoing high-security refinements for Visa, Mastercard, and banking integrations. Designed to support loan applications and online transactions, the application is currently in private development for compliance and security validation.
- FromLino App A fully functional interactive web application, optimized for design aesthetics, responsiveness, and smooth API interactions, available online at FromLino App.
- St. Matthew's Boarding School Communication Platform A multi-role authentication system where different users (students, parents, teachers, principals) receive tailored access to relevant school data such as timetables, announcements, fees, and events. Implemented Graph Theory-based role access, ensuring structured permissions and data security.

Each project has strengthened my understanding of **high-level system design**, **authentication strategies**, **and modular development**, making applications more reliable, scalable, and security-enhanced.

# 2.2 Which operating systems, development environments, languages, databases, and frameworks?

I have worked across a diverse **software stack**, ensuring flexibility in both **web and security applications**.

### **Operating Systems:**

- Linux (Ubuntu, Kali Linux) Preferred for security, development environments, and AI experiments.
- Windows Used for hosting, deployment testing, and administrative operations.

### **Programming Languages:**

- Python Backend logic, AI experimentation, and Flask-based web development.
- JavaScript & TypeScript Building dynamic front-end interfaces using React, ensuring modular, high-performance applications.
- C & Java Algorithm implementation and high-efficiency software logic development.

#### Databases & Data Structures:

- PostgreSQL & MySQL Optimized database interactions, role-based authentication, and secure API-driven operations.
- MongoDB Used in document-based databases for flexible querying and rapid data retrieval.

#### Frameworks & Libraries:

- Flask Used in building scalable backend APIs, authentication systems, and dynamic dashboards.
- Bootstrap & CSS Ensuring highly responsive UI designs and accessibility.
- React & TypeScript Exploring structured component development for enterprisegrade applications.

### Security & Cybersecurity Tools:

- Kali Linux, Wireshark, Hashcat Used for penetration testing, encryption analysis, and authentication security audits.
- Multi-Factor Authentication (MFA) Implementation Three-Way Authentication System, incorporating biometrics, ID verification, and face recognition protocols.

# 2.3 Outline your thoughts on open-source software development. Have you been an open-source maintainer, and can you describe the scope of your contributions to those projects?

I am deeply invested in **open-source development**, believing it drives **collaboration**, **transparency**, and innovation.

### Thoughts on Open Source:

- Encourages **code reusability and optimization**, allowing developers to build upon existing solutions.
- Strengthens **security and reliability** through global community testing and contributions.
- Promotes **cost-effective**, **scalable solutions**, reducing proprietary constraints on businesses.

#### Contributions & Maintenance:

- Security Authentication Modules Improved role-based authentication systems in open-source Flask applications.
- UI/UX Enhancements Contributed design refinements and front-end responsiveness optimizations for open-source web projects.
- LaTeX Documentation Assisted in structuring algorithm documentation and cybersecurity project reports to improve clarity for researchers.

## 2.4 What is your most senior role in a software engineering organization?

I am the Director and Founder of Lino.AI and I have served as a Lead Developer & Security Analyst before at Empire Hub Phones, overseeing authentication projects, cybersecurity protocols, and e-commerce solutions that prioritize security, efficiency, and scalability.

### **Span of Control:**

- 1. Led structured authentication architecture development, improving multi-factor security models for enterprise-level access control at Empire Hub Phone Kenya.
- 2. Designed scalable API-driven interactions, ensuring seamless integration of databases, authentication systems, and front-end interfaces for Daima Sacco's Flask App that is under keen implementations of final phases of deployment.
- 3. Managed cybersecurity risk assessments, enforcing encryption models, data integrity measures, and fraud prevention strategies for SaccoAPP.
- 4. Mentored and collaborated with developers, ensuring **consistent code optimization** and **compliance with industry security standards**.

## 2.5 What are your thoughts on quality in software development?

Quality assurance is built on:

- Automated testing frameworks (unit tests, integration tests).
- Code reviews and peer collaboration to refine software security and maintainability.
- Modular development, ensuring future scalability without structural bottlenecks.
- Security-first methodologies, ensuring data integrity and authentication reliability.
- Team work, Without key collaboration with peers and colleagues, there is a probability of inefficient code implementation and lack of ideas on how to develop modern and updated softwares that are of quality. Also venturing into current and emerging AI integrations and tech is highly advisable as the tech industry today is not same to 10 years ago or even 10 years from now. It's all about learning and being innovative!

### 3 Education

# 3.1 How did you rank in your final year of high school in mathematics? Were you a top student? On what basis would you say that?

I consistently ranked as the **top mathematics student** throughout high school, achieving an **A grade in Mathematics** in my final year. My performance was marked by:

- Consistent Excellence I maintained a top ranking in mathematics throughout all academic terms, demonstrating strong problem-solving and analytical skills.
- Leadership in Mathematics I was elected as the Chairperson of the Mathematics Club from 2021 to 2023, leading problem-solving initiatives and mentoring peers in advanced mathematical concepts.
- Official Representation Served as the Mathematics Representative for Lenana School, one of Kenya's top national schools, actively participating in academic competitions and structured mathematical programs.
- Academic Continuation Pursued a Bachelor of Science in Mathematics
  & Computer Science at Jomo Kenyatta University of Agriculture and
  Technology (JKUAT), reinforcing my deep commitment to mathematics as a discipline.

My strong mathematical foundation has been instrumental in shaping my approach to software engineering, data science, and cybersecurity, where structured problem-solving remains central to my work.

# 3.2 How did you rank in your final year of high school, in your home language? Were you a top student? On what basis would you say that?

I studied two language subjects in high school,

English and Swahili, achieving an A- in English and an A in Swahili. My ranking was distinguished by:

- Consistent Excellence I maintained high grades throughout, demonstrating strong comprehension, structured writing, and analytical skills in both languages.
- Competitive Debating Actively participated in debate contests and competitions, refining my ability to articulate complex arguments, analyze perspectives, and engage in structured discourse.
- Multilingual Mastery Excelled in both English and Swahili, showcasing versatility in communication across diverse settings.

My strong language foundation has significantly contributed to my ability to structure analytical discussions, write technical documentation, and communicate effectively in both academic and professional environments.

## 3.3 Please state your high school graduation results or university entrance results, and explain the grading system used.

I graduated from Lenana School, one of Kenya's top national schools, with an overall GPA of 4.0. The grading system used in Kenya is structured as follows:

- A (Best, 4.0) Highest distinction in academic performance.
- E (Lowest, 0.0) Below minimum required performance.

The grading system is part of the **Kenya Certificate of Secondary Education** (**KCSE**), which evaluates students based on national standardized testing across multiple subjects. Scoring a **4.0 places students in the highest academic bracket**, signifying exceptional performance across all core subjects

My strong academic background in mathematics and sciences enabled me to secure admission to Jomo Kenyatta University of Agriculture and Technology (JKUAT), where I am pursuing a Bachelor of Science in Mathematics and Computer Science, specializing in DevOps, Software Development, Data Science, and Cybersecurity.

# 3.4 Can you make a case that you are in the top 5% in your academic year, or top 1%, or even higher?

I ranked among the **top 0.12% of students nationwide** in my academic year based on my Kenya Certificate of Secondary Education (KCSE) results. The total number of students who sat for the exam was approximately **800,600**, and only **1,000 students achieved a GPA of 4.0**, which included my performance.

Key indicators of my ranking:

- KCSE National Performance Achieved a GPA of 4.0, placing me among the top 0.12% of students.
- Lenana School Academic Standing Ranked as the top student in mathematics, serving as the Chairperson of the Mathematics Club for three years.
- University Admission Secured admission to Jomo Kenyatta University of Agriculture and Technology (JKUAT), pursuing a Bachelor of Science in Mathematics & Computer Science.

My academic performance, leadership roles, and problem-solving abilities demonstrate my ability to consistently excel at a national level, reinforcing my capacity for structured analytical thinking in mathematics, computer science, and software engineering.

# 3.5 What sort of high school student were you? Outside of class, what were your interests and hobbies? What would your high school peers remember you for?

Throughout high school, I was an academically driven, sports-oriented, and leadership-focused student, balancing mathematics excellence, athletics, and student mentorship.

#### **Interests and Hobbies:**

- Swimming One of my core hobbies, developing endurance, discipline, and focus.
- Basketball Played competitively and earned multiple certificates, refining teamwork and strategy skills.
- Golf Took up golf in the later years of high school, learning precision and patience in decision-making.

#### How My Peers Remember Me:

- Leadership Roles Served as Chairperson of the Mathematics Club, guiding structured problem-solving initiatives across three years.
- **Generosity** Frequently shared meals and donated unused personal items to classmates who needed support.
- Community Builder Encouraged collaboration and inclusivity, ensuring peers felt supported academically and socially.

My high school experience was shaped by a **balance of academic excellence**, **athletic engagement**, **and leadership-driven generosity**, reinforcing qualities that continue to drive my professional and personal growth.

# 3.6 Which university and degree did you choose? What other universities did you consider, and why did you select that one?

I chose to pursue a Bachelor of Science in Mathematics & Computer Science at Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya's leading university for technology and innovation.

#### Why JKUAT?

- Top Technology Institution in Kenya JKUAT is recognized as the premier university for engineering, computer science, and technological advancements.
- Strong Specialization Options The university offers structured pathways in DevOps, Software Development, Data Science, Cybersecurity, and Forensics, aligning with my career goals.
- Industry Connections JKUAT maintains strong collaborations with tech companies and research institutions, providing opportunities for practical experience and innovation.

Global Perspective: While JKUAT was my primary choice, globally, two of the most prestigious technology universities are:

- Massachusetts Institute of Technology (MIT) Ranked as the world's leading institution for engineering, AI, and technological research, consistently pioneering advancements in computing and innovation.
- Harvard University Recognized among the top global universities for engineering and computer science, contributing significantly to cutting-edge research and technological breakthroughs.
- 3.7 Overall, what was your degree result, and how did that reflect on your ability? Please help us understand the grading system for your results.

I am currently pursuing a Bachelor of Science in Mathematics & Computer Science at Jomo Kenyatta University of Agriculture and Technology (JKUAT), specializing in DevOps, Software Development, Data Science, Cybersecurity, and Forensics. My academic performance has been consistently outstanding, maintaining an A-grade record in all Computer Science related coursewrok above B in Mathematics related coursework.

**Grading System at JKUAT:** The university grading system follows a standard scale:

- A (70–100%) Excellent performance.
- B (60–69%) Very good understanding.
- C (50–59%) Satisfactory competency.
- D (40–49%) Pass, but below optimal academic standards.
- E (Below 40%) Fail.

I have consistently scored **A in practical programming courses**, reinforcing my ability to grasp complex mathematical and technical concepts at an advanced level. My coursework has strengthened structured thinking, technical precision, and the practical application of algorithms, cybersecurity frameworks, and AI-driven solutions.

As part of my final year, I will participate in a **hackathon to present my projects**, showcasing advanced implementations in authentication security and scalable software solutions.

# 3.8 During all of your education years, from high school to university, can you describe any achievements that were truly exceptional?

Throughout my academic journey, I have consistently demonstrated excellence in mathematics, Programming, leadership, and competitive challenges, achieving distinction in multiple areas.

### **High School Achievements:**

- Top Mathematics Student Ranked as the best mathematics student at Lenana School, one of Kenya's top national schools.
- Mathematics Club Chairperson (2021–2023) Led structured problem-solving initiatives, peer mentorship, and mathematics workshops for three years.
- KCSE National Ranking Scored a GPA of 4.0 in KCSE, placing me among the top 0.12% of students nationwide.
- Competitive Athletics Earned multiple certificates in basketball and swimming and played golf during my later high school years.
- Generosity and Peer Leadership Recognized by classmates for my supportive and generous nature, often sharing meals and assisting peers in need.

### University Achievements:

- Maintaining an A-Grade Record Consistently achieving top marks in almost all coursework in my Mathematics & Computer Science degree at JKUAT.
- Advanced Specializations Completed structured pathways in DevOps, Software Development, and Security, now transitioning to Data Science and Cybersecurity.
- Hackathon Participation Preparing to present advanced projects in authentication security and scalable applications during my final-year hackathon.

My academic journey has been defined by structured thinking, leadership, and technical mastery, reinforcing my ability to excel in **mathematics**, **computer science**, **and innovative problem-solving**.

# 3.9 What leadership roles did you take on during your education? Did you conceive of, and drive to completion, any initiatives outside of your required classwork?

Throughout my academic journey, I have actively taken on leadership roles and driven impactful initiatives beyond my required coursework, reinforcing my ability to **guide**, **mentor**, **and innovate** within structured academic settings.

### Leadership Roles:

- Chairperson of the Mathematics Club (2021–2023) Led structured problemsolving activities, mentored peers, and organized mathematical competitions to enhance logical thinking across the student body.
- Mathematics Representative for Lenana School Acted as the primary student ambassador for mathematics, ensuring engagement in regional competitions and strategic academic initiatives.
- Peer Mentorship in Mathematics Competitions Guided students in developing problem-solving strategies, critical thinking techniques, and structured solutions for mathematical challenges.

### **Initiatives Beyond Classwork:**

- Mathematics Workshops Spearheaded weekly club sessions focused on advanced mathematics topics, logic puzzles, and real-world applications.
- Community Support Actively supported peers by sharing meals and donating unused personal items to classmates in need, fostering a sense of inclusivity.
- Competitive Hackathon Preparation Developing innovative authentication security solutions and scalable applications to present at an upcoming hackathon.

My leadership roles and initiatives reflect a commitment to **academic excellence**, **structured problem-solving**, **and community-driven innovation**, reinforcing my ability to guide and support peers in educational and technological advancements.

### 4 Context

4.1 Outline your thoughts on the mission of Canonical. What is it about the company's purpose and goals which is most appealing to you? What is risky or unappealing? Are there any elements of the company goals that you are unsure about?

Canonical's mission is to make open-source software accessible to people everywhere, fueling innovation by providing developers with the technology they need. This aligns with my passion for software development, cybersecurity, and scalable solutions, as open-source platforms empower developers to build secure, efficient, and adaptable systems.

### **Appealing Aspects:**

- Commitment to Open Source Canonical drives the adoption of Ubuntu, one of the most widely used Linux distributions, fostering a global community of developers.
- Remote-First Work Culture The company embraces a distributed work-force, enabling collaboration across diverse regions.
- Engineering Excellence Canonical prioritizes high-quality software solutions, ensuring reliability and scalability in enterprise environments.

### Potential Risks or Unappealing Aspects:

- Competitive Market The open-source ecosystem is highly competitive, requiring Canonical to continuously innovate to maintain its leadership.
- Adoption Challenges While Ubuntu is widely used, enterprise adoption of open-source solutions can be hindered by compatibility concerns and proprietary software dependencies.

# 4.2 Who are competitors to Canonical, and what does Canonical need to change to be a more effective competitor?

Canonical operates in a competitive landscape alongside companies such as:

- Red Hat (IBM) A major player in enterprise Linux solutions, offering Red Hat Enterprise Linux (RHEL).
- SUSE Provides SUSE Linux Enterprise, focusing on cloud and containerized environments.
- Microsoft Competes indirectly through Azure cloud services and Windowsbased enterprise solutions.

To enhance competitiveness, Canonical could:

• Expand Enterprise Partnerships – Strengthen collaborations with cloud providers and enterprise clients.

- Enhance Security Offerings Invest further in cybersecurity solutions tailored for Ubuntu-based infrastructures.
- Improve Documentation and Developer Support Streamline onboarding for new developers and enterprises adopting Ubuntu.

### 4.3 What would you most want to change about Canonical?

One key area for improvement is **enterprise adoption strategies**. While Ubuntu is widely used in development environments, Canonical could:

- Enhance Enterprise Support Provide more structured enterprise-grade security and compliance solutions.
- Expand AI and Data Science Integrations Strengthen Ubuntu's role in machine learning and AI-driven applications.
- Improve User Experience Refine the UI/UX of Ubuntu-based systems to enhance accessibility for non-technical users.

### 4.4 What gets you most excited about this role?

This role excites me because it aligns with my expertise in **software development**, **cy-bersecurity**, **and open-source technologies**. Key aspects that motivate me include:

- Contributing to Open Source Actively participating in the development and optimization of Ubuntu-based solutions.
- Solving Complex Technical Challenges Engaging in high-level problemsolving within a globally distributed team.
- Driving Innovation in Security and Scalability Applying my knowledge in DevOps, cybersecurity, and data science to enhance Canonical's offerings.

Canonical's mission resonates with my passion for **technology**, **security**, **and scalable solutions**, making this an exciting opportunity to contribute to the future of open-source innovation.