



## Job Advertisement - Software Architect

10 Academy ([10academy.org](https://10academy.org)) is a not-for-profit US-registered corporation with the mission of building Africa's workforce in Artificial Intelligence, Web3, Internet of Things, and Quantum technologies. From 2017 to 2021, 10 Academy trained 106 young people from 18 African countries, 37% women. More than 80% of 10 Academy trainees match into work within 6 months of graduation. 10 Academy aims to scale up significantly in the coming 5 years.

10 Academy is currently seeking to recruit a Software Architect to help implement the tenx Platform. The tenx platform will underpin 10 Academy's scaling efforts by allowing 10 Academy to improve training outcomes, reduce per-trainee costs, reduce churn, and enable massively parallel training in partnership with higher education institutions in Africa and expanding training to new fields beyond AI. A Software Architect will be in charge of using computer code to design and develop the tenx application, planning its different features and integrating them into a functioning system.

### Responsibilities

- Collaborate with the team to determine functional and non-functional requirements for the tenx platform
- Use tools and methodologies to create representations for functions and user interface of the platform
- Train and oversee the activities of the members of the development team
- Evaluate system integration quality and feasibility
- Ensure tenx platform meets all requirements of quality, security, modifiability, extensibility etc
- Locate and direct solutions for critical challenges involving both back-end and front-end of the platform
- Define all aspects of development from appropriate technology and workflow to coding standards
- Communicate successfully all concepts and guidelines to development team
- Oversee progress of development team to ensure consistency with initial design
- Provide technical guidance and coaching to developers and engineers
- Work hand in hand with Junior Developers, UI/UX, Senior Developer
- Approve final product before launch

### Skills and Qualifications

- Proven experience as software architect

- Experience in software development and coding in various languages (C#, .NET, Java, JavaScript, Python etc.)
- Excellent knowledge of software and application design and architecture
- Excellent knowledge of UML and other modeling methods
- Familiarity with HTML/CSS, JavaScript and UI/UX design
- Understanding of software quality assurance principles
- A technical mindset with great attention to detail
- High quality organizational and leadership skills
- Outstanding communication and presentation abilities
- Excellent understanding of design patterns and architectural styles
- Proficient knowledge of the operation and development designs of agile software
- Expertise with content management systems
- Strong soft skills, including attention to detail, problem-solving and communication skills

### Qualities and attitudes

- **Work Ethic** - We have a lot to get done, and we're looking for people who like to work efficiently, effectively and who are willing to invest the time and energy required to do it well.
- **Fast to learn** - We know where we're going, and we all need to learn a lot to get there. We want to hire people who can learn fast, and those that WANT to learn more. It's not always essential to go to first-principles, but it sometimes is important.
- **Ownership** - We want people that can own their work from A-Z. We are looking for team that sees a deliverable presentation as not waiting for feedback on whether their work was good or not, but rather an opportunity to share progress, integrate new ideas and to drive the team ahead.
- **Excellence** - We want to make the seen and the unseen parts of work done well. We aim for impact at scale, and want excellence baked into all aspects of our work. We do not want people to submit something and to be wait to be told what to improve.
- **Bias-to-Action** - When not sure what to do, take action and talk to the rest of the team. There is almost always some action that can be taken.
- **Community** - We want your joining our team to make 10 Academy into a better organization.

### What Excites You

- The opportunity to contribute to a continent-wide initiative with large ambitions
- A collaborative environment with a tight feedback loop between the work you do and the impact it has on users
- Solving problems with pragmatic solutions — you know when to make trade-offs between complexity and shipping quickly
- Learning new skills and technologies in a fast-paced environment
- Competitive salary

To Apply:

Please send the following to [talent@10academy.org](mailto:talent@10academy.org):

- Resume/CV
- A one-page cover letter on why you want to join 10 Academy
- portfolio, links of the past work projects or anything that can provide information about your past work

Application Deadline:

Applications will be reviewed on a rolling basis

Location:

Fully remote, open anywhere in the world. Africa/Europe time zones preferred

Hours: Part-time

Start Date: Immediately

Duration: 5 months