

JOB TITLE – Front End Software Engineer (Angular C#)

Position reports to : Product Owner
Office Location : Adapt IT Johannesburg Campus

PURPOSE OF THE POSITION

The Software Development Team of Adapt IT Education delivers solutions for higher education on a global basis. We value diverse skills and look for a wider range of experience but centred on the full stack **C#** .Net Core with **Angular** front ends. As a Front-End Developer, you will be required to collaborate with a team of developers and UX designers to develop and maintain a web application. Important responsibilities include applying features to the user interface and implementing mock-up wireframes by UX designers as components. The ideal candidate possesses strong communication skills and ability to develop reusable, efficient, and scalable code. In the role you will provide input into our scalable web-based solutions.

PRIMARY RESPONSIBILITIES FOR THE ROLE

- a) **Design, Implement and Maintain world-class web applications and workflows**
 - Develop new user-facing features using **Angular**.
 - Create new features or parts of applications.
 - Translating designs and wireframes into high quality code.
 - Build reusable components and front-end libraries for future use.
 - Translating designs and wireframes into high quality code.
 - Optimizing components for maximum performance across a vast array of web-capable devices and browsers.
- b) **Design Fit for Purpose Solutions & Algorithms**
 - Ensuring cross-platform optimization for mobile phones.
 - Actively contribute to design and planning meetings, discussions, and documentation.
- c) **Developer Testing and Verification**
 - Ensure the solution is test friendly by creating effective mechanisms for test data, automated testing hooks and simulations.
 - Ensure reported defects are categorised by priority and fixed as appropriate.
 - Ensure the project management team is informed of potential risks stemming from defects.
- d) **Mentorship / Training**
 - Provide mentorship and guidance to internal staff on technical and system processes.
 - Perform internal training for technical staff as required.
 - Ability to mentor and assist others, and to lead internal training sessions
 - Mentor junior resources on specialised knowledge

QUALIFICATION AND EXPERIENCE REQUIREMENTS

- 5+ years of professional experience in React.js
- BSc (Computer Science or Information Systems) /B Com (Information Systems)/Diploma in Information Systems

SKILLS

- C# .NET Framework 4.7.2+
- .NET Core 3.1+ (MVC,MVP, MVVM, REST API, Entity Framework Core)
- Advantageous (Advanced Chart development for statistics eg Chartjs,)
- Angular 11 (Advantageous – RxJs, NgRx, Angular Material, Sass, Karma and Jasmine)
- TypeScript 3+, JavaScript ES6+, Advantageous: (HTML 5/CSS 3, XML, JSON, Azure SQL)
- The following is preferred, but not a minimum requirement for this role:
 - Cloud knowledge (Azure/Google/AWS, Kubernetes, Docker)
 - Agile and SCRUM methodologies (e.g. SAFe)
 - DevOps Mindset
 - Azure Devops
 - Jenkins
 - Atlassian Suite (Jira, Confluence)
 - Source Control (Git)
- Knowledge and understanding of UML and OO design methodologies
- Client and Server development experience
- Knowledge of software design patterns and Test-Driven Development
- Ability to develop code and support unit tests (Coverage assessment, mocking)
- Experience in Angular Development and Agile/Scrum Methodology will be an advantage

ATTRIBUTES

a) Personal Attributes and Qualities

- Mature individual with high level of emotional intelligence.
 - Ability/Capacity to be aware of, control, and express emotions.
 - Handle interpersonal relationships judiciously and empathetically.
- Demonstrate positivity, mental toughness and stability during stressful periods and periods of low activity.
 - Flexibility – adapt to new concepts and ideas, ability to collaborate.
 - Resilience – demonstrate ability to move forward despite setbacks.
 - Endurance – consistently deliver at peak performance over the long term.
 - Self-motivated, with the ability to motivate others.

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FRONT END SOFTWARE ENGINEER – JOB PROFILE

- Ability to work independently and as part of a team.
- Ability to work under pressure.
- Admit to errors and takes corrective action to avoid repetition
- Approach own work with dedication and high sense of responsibility
- Identify, analyse, organize, and solve problems and issues in a timely and effective manner
- Anticipate problems, identify root causes, and take corrective action
- Take caution in preparing the details relevant to the process
- Follow process to ensure high quality output
- Set and achieve goals, consistently complies with quality standards, and meets deadlines
- The drive and natural tendency to keep your technology skills up to date

Industry Knowledge

- Acting decisively when tough or quick action is required

Contact Person: [Noluthando Maseko](#)

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