

JOB TITLE – Software Development Engineer

React.js Developer

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. As a React.js Developer you will be required to collaborate with a team of developers and UX designers to develop and maintain a web application. You will be responsible for leading the development of all stages of the interface component design from conception through to execution. 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 React.js
 - Create new features or parts of applications
 - Translating designs and wireframes into high quality code, creating the respective code and the applications for wireframes
 - 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

- Deep understanding of React.js and its fundamentals, ideally including modern features like hooks
- Excellent understanding of Javascript including the OOP concept and how shadow DOM and DOM work
- Experience with widely used React.js state managers like Flux, Redux
- Knowing modern ECMAScript
- Experience with data structure libraries like Immutable.js
- Knowledge of RESTful APIs
- Know how to implement authorisation with mechanisms like OAuth, JSON Web Token (specify if known which mechanism is used by your project)
- Familiarity with modern front-end build pipelines and tools like Webpack, Babel, NPM etc.
- Knowledge of the overall browser rendering behaviour and measuring and optimising performance
- Strong hands-on experience with source code management systems like Git/GitHub
- Understanding of what the business / stakeholders need and transfer that into your project

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.
- 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

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DEVOPS REACT.js DEVELOPER – JOB PROFILE

- 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

Contact Person: [Quraisha Moola](#)

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