ROYAL
OPERA
HOUSE

JOB DESCRIPTION

Title: **Senior Full Stack Developer**

Reports to: **Tech Lead**

Main Purpose of the Job

- Help in shaping the development of new digital products and services, ensuring they meet the high standards expected at a premier arts organisation.
- Develop, deploy, and optimise our digital offerings, creating systems that are high-performance, resilient, and scalable, thus positively impacting global audiences.

Main Responsibilities

- **Technical Delivery**: Design and develop robust software for our digital platforms and manage deployments across testing and live environments.
- **Product Work**: Assess and scope features and define architecture in an Agile and iterative manner.
- **Support high traffic events**: Providing technical perspectives and insight during moments of high user volume such as on-sales.
- **Standards Management**: Maintain standards in code quality and design, security best practises, QA testing, and SEO.
- **Relationship Management**: Collaborate across departments to foster design thinking and customer-centric approaches within an agile, iterative environment.
- **Documentation and Analysis**: Exceptional documentation skills with an acute attention to detail. Ability to produce precise technical documentation and perform thorough analytical assessments to support project needs.

PERSON SPECIFICATION

Key Technical Skills

- **TypeScript/JavaScript:** Advanced proficiency in TypeScript, particularly in ensuring type safety across projects.
- **React**: Expertise in using React to build dynamic user interfaces with reusable components and efficient state management. Familiarity with Redux and Next.js is preferable.

- **AWS**: Proficiency in Amazon Web Services to deploy, manage, and scale cloud-based applications and infrastructure.
- **Database Management:** Understanding of MySQL and DynamoDB for effective data storage and retrieval.
- **Scalable Application Development:** Proven expertise in building scalable and maintainable web applications, ensuring robust architecture.
- **Continuous Integration and Testing**: Skilled in implementing CI/CD pipelines and using testing methodologies to maintain code quality.
- **Version Control:** Strong command of Git for managing code versions and collaboration within development teams.

Desirable Skills

- **Mentoring:** Guide and support the professional development of junior team members, fostering a culture of learning and growth.
- **Technical Scrutiny and Problem Solving:** Apply critical thinking to evaluate and solve complex technical issues, ensuring robust and effective solutions.
- **Technical Leadership**: Provide technical leadership within the team, working closely with Project Managers and Development Managers to align technical solutions with organisational goals.
- **Experience in Large Organisations**: Familiarity with the dynamics and processes typical of large organisations, with the ability to navigate and excel within such environments.
- **Responsive Design and Accessibility**: Skills in creating applications that are accessible and responsive on various devices, emphasizing accessibility standards like WCAG to ensure usability for all users.
- **Microservices Architecture**: Knowledge of designing and implementing microservice-based architecture, enhancing the modularity and scalability of applications.
- **Performance Optimisation**: Ability to analyse and improve application performance to handle various scales of traffic and data efficiently.
- **DevOps Practices**: Familiarity with DevOps culture and practices, including continuous delivery, infrastructure as code, and rapid iteration cycles.
- **UX/UI Design Collaboration**: Experience working closely with UX/UI designers to ensure the technical feasibility of designs and enhance the user experience.
- **Communication and Project Management**: Strong communication skills, both written and verbal, along with experience in agile project management methodologies like Scrum or Kanban, to effectively collaborate within cross-functional teams.

Continuous Improvement

- Ability to work to and support a culture of continuous improvement.
- The ability to assimilate new information, and develop new skills or hone existing skills, to be able to deliver work to a high standard.
- Commitment to managing own learning and continuous development relevant to the role.
- Willingness to work sustainably and consider new or improved ways of working to reduce our impact on the environment.

This Job Description reflects the current situation. It does not preclude change or development that might be required in the future.