



ROYAL
OPERA
HOUSE

JOB DESCRIPTION

Title: Full Stack Developer

Reports to: Head of Digital Products and Tech Lead

Main purpose of the job

To uphold a team ethic, working as part of the Digital Products team, and a wider multi-disciplinary team

To design, develop, deploy, maintain and iterate the software and infrastructure for the Royal Opera House website and associated services

To work to agreed best practice standards

To manage own learning and continuous development and support continuous improvement

Main Responsibilities

Working to the priorities set by the Head of Digital Products and Tech Lead:

Technical Delivery

- Design, develop and maintain software for the Royal Opera House website and other digital platforms
- Contribute to the deployment of code to test, staging and live environments
- Provide concise yet comprehensive technical specifications and documentation
- Work with database administrators on all aspects of data extraction

Project Work

- Engage in project assessment and scoping to ensure that all technical possibilities are explored
- Work with with the other developers to ensure that all projects are supported by the correct technical architecture
- Brief other Developers as necessary
- Track and own work as part of a project team, using agreed tools and methodologies

Best Practice

- Work to agreed standards to ensure best practice within the Digital Products team
- Undertake testing and participate in quality assurance as appropriate
- Ensure the code base complies with best practice and is appropriately integrated

- with relevant code libraries
- Uphold the standards of security, usability and accessibility

Team Work

- Work effectively within a multi-disciplinary design and development team environment and participate fully in team meetings
- Work effectively with other developers for paired programming, with code reviews by other developers
- Support the work, priorities and values of the digital products team, providing cover or support as needed
- Develop, over time, a degree of multi-skilling and knowledge sharing with other developers in order to be able to provide cover or support as required

Continuous Improvement

- Play an active role in the team, contributing effectively to team sprints, meetings and goals
- Keep in touch with best practice, trends and new technologies or tools relevant to the sector
- Contribute to a culture of innovation and continuous improvement
- Manage own learning and continuous professional development relevant to the role; undertake any training if needed
- Uphold ROH values and behaviours: Treat each other with **Respect** | Be **Open** | Value the **Highest Standards**
- Promote and foster a culture of information sharing, collaborative working and team working

PERSON SPECIFICATION

Essential Knowledge, Skills and Experience

Technical Skills

- Sufficient skills and experience to design and develop high quality software (server-side and client-side) for the Royal Opera House website and other digital platforms
- Good working knowledge or transferable skills for a range of modern software development tools, methods and architecture
- Open source technologies, including modern JavaScript and Node.js
- Good experience of development with, and knowledge of, JavaScript, PHP or Python
- Cloud based environments, including AWS
- Test and Behaviour Driven Development
- SQL and noSQL database applications
- Git workflows
- Continuous integration and deployment
- Working knowledge of Unix-like operating systems
- APIs, RESTful services and microservice architectures
- Familiarity with accessibility, usability and cross browser issues
- Responsive web design and progressive enhancement

Analytical Skills

- Ability to think laterally and contribute to problem solving
- Well developed analytical and investigative skills
- Ability to incorporate visual design and branding effectively

- Performance analysis and optimization
- Ability and experience to create reliable and concise documentation
- A passion for the detail and appreciation of the craft of your profession

Team Skills

- Excellent written and oral communication skills
- Track record of working collaboratively in a team environment
- Ability to work to set priorities as part of an agile project team
- Strong team player, with experience of working successfully with cross disciplinary teams
- Commitment to delivering a high quality service both individually and as a team
- A broad interest in the arts and cultural sector

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

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