

## Job Description

<b>Job title: Solution Architect</b>	<b>Team:</b> Technology
<b>Reports to: Technology Director</b>	<b>Location: Gateshead / Remote</b>
<p><b>Job purpose:</b> As a Solution Architect for Bloom, you are accountable for leading the architectural runway, the delivery of a new pivotal Marketplace cloud platform and solutions enabling business transformation which delight our customers and positively lead to social change. As a technologist you will be inquisitive and embrace new technology.</p> <p>You will provide technical leadership to a multi-disciplinary agile team building a shared understanding of the outcomes the solution must deliver, the technical landscape and complexity surrounding designs to help teams make informed decisions.</p> <p>You'll foster and build relationships with senior stakeholders to establish architectural principles, strategic direction of the platform being delivered including a firm understanding of functional and non-functional needs.</p> <p>You will play a leading role in the Bloom Architectural Capability, driving technology direction and advancement. Your key stakeholders include the Head of Product, Technology Director and Head of Engineering to form the leadership group for product development reporting to the Programme Board.</p> <p>As a technical leader, you will collaborate with colleagues to establish development of blueprints and standards, foster business-wide relationships, contribute to business strategy, and actively share your subject matter knowledge, acting as a technology ambassador for Bloom.</p>	
<p><b>Key accountabilities:</b></p> <ul style="list-style-type: none"> <li>• Owns the technology stack and is a key decision maker in shaping and defining architecture choices across applications.</li> <li>• Ensures that detailed architecture designs meet the current and future non-functional needs of the business with a focus on achieving the strategic technical aims of the business around scalability, automation, and customer experience.</li> <li>• Overall software architecture of the Bloom Technology Platform</li> </ul>	<p><b>Skills, know-how and experience:</b></p> <p><b>Must have:</b></p> <ul style="list-style-type: none"> <li>• Proven experience of leading the delivery of platform solutions underpinning large scale cloud transformation (e.g. migration to cloud environments, modernisation of applications harnessing cloud, deployment of web-based applications).</li> <li>• You will have experience leading and making technology decisions including execution of delivery driving positive customer outcomes.</li> </ul>

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- Ensure the technology stack meets security requirements including OWASP standards and that future application design and development considers and ensures security robustness at all levels.
  - Ensures coding standards are met and approaches are adhered to consistently across the relevant teams.
  - The assessment and evaluation of third party / open-source software for suitability and compatibility of integrating into Bloom application stack
  - Providing high level technical and functional documentation for applications and modules
  - Technical stewardship of development and deployment strategy ensuring quality standards and best practise are applied and met across delivery cycles.
  - Constantly reviews technology and application stack to identify flaws, areas for improvement and drives continuous evolution to meet the needs of the business and its customers.
  - Lead technical role in collaborating with and providing direction to external software development partners
- Broad and extensive knowledge of software development in an Agile environment.
  - Knowledge of architectural styles and design patterns,
  - Have experience with public cloud platforms, such as AWS, Azure, GCP (spanning IaaS, PaaS and SaaS).
  - Good understanding of common cloud languages especially Python, Java and JavaScript.
  - Proven experience of delivering managed solutions.
  - Worked with customer facing B2B/B2C web applications.
  - Experienced in building and fostering relationships with stakeholders including at executive and C-level senior stakeholders, translating technology information as appropriate to drive effective decision making.
  - Effective communication of technical concepts and designs through documentation, high-level presentation and verbally.

### Preferred/Desirable:

- Prior experience of:
  - Proven delivery of new products or services as part of a greenfield cloud application development projects
  - Working in a high-performing DevOps environment
  - Collaborating with external development partners

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### Technical / professional qualifications:

- Computer Science degree/masters
- Relevant cloud certifications

### Key performance indicators: (max. 5)

- Fully documented architecture designs for new applications
- Applications are fit-for-purpose and performant, can scale horizontally and are secure

### Direct reports:

- None

*This Job Description is not definitive and outlines key accountabilities – colleagues are expected to be flexible regarding their accountabilities and will from time to time be asked to carry out other duties.*