



BPP Job Description

Job Title	Senior Software Engineer
Department	Group IT - Software
Location	Home and office based
Travel requirements	There will be a requirement for occasional travel to other BPP sites within UK and Ireland, and potentially subsidiary locations worldwide
Contract type	Full time and permanent
Hours of work	Monday-Friday, 37.5 hours per week
Reporting to	Engineering Manager
Collaborating with	Software Engineers, Product Owners, Architecture, Subsidiary IT Teams and Business Stakeholders

Job Purpose

As a Senior Software Engineer, you will play a pivotal role in leading the development of scalable, cloud-native applications and mentoring other engineers. You'll work closely with product managers, designers, and architects to deliver high-quality solutions that support BPP's transformation into a customer-centred, data-informed education group. This role combines hands-on engineering with line management responsibilities, fostering growth and excellence within your team.

Key Responsibilities

- Lead the design, development, and delivery of full stack features using TypeScript, React, Node.js, Next.js, and AWS.
- Mentor mid-level and junior engineers, supporting their career development and performance.
- Promote engineering best practices including clean code, TDD, pair programming, and cloud-native design.
- Collaborate with architecture and product teams to assess feasibility and translate requirements into technical deliverables.

- Review code, provide technical guidance, and ensure high standards of software craftsmanship.
- Contribute to the evolution of internal engineering standards and practices.
- Support CI/CD pipeline improvements and infrastructure automation.
- Stay current with emerging technologies and industry trends.

Skills, experience & qualifications required – Essential

- 4+ years of experience in software engineering, ideally in agile environments.
- Strong proficiency in full stack development with React, Node.js, TypeScript, and Next.js.
- Solid experience with AWS services (Lambda, API Gateway, S3, RDS).
- Proven ability to mentor and manage engineers effectively.
- Experience with testing frameworks (Jest, Cypress, Playwright).
- Familiarity with CI/CD tools and version control (Git, GitHub Actions).
- Excellent communication and leadership skills.
- Pragmatic mindset focused on delivering business value.

Skills, experience & qualifications required – Desirable

- Experience with Infrastructure as Code (Terraform, Pulumi).
- Exposure to micro-frontend or headless CMS architectures.
- Understanding of accessibility and performance optimization.
- Security-first approach to software design.
- Experience with data visualization or BI tools.