

Job Title:	Learning System Software Developer
Job No:	AA177
Dept/Business Unit:	Product Design and Development
Accountable to:	Manager Product Design and Development
Reporting to:	Manager Product Design and Development
Our Vision:	Be the leading provider of aviation and aerospace training, helping to shape the future of the industry.
Our Values:	Work Together, Be Accountable, Act Innovatively, Deliver on Customer Needs, Safety

PURPOSE

The Learning System Software Developer is responsible for the development and support of allocated Product Design and Development (PDD) systems and software projects for courseware design, development and maintenance. This includes the investigation and implementation of new technologies to assist with Aviation Australia's training delivery.

DUTIES

Key accountabilities of this role include:

- Develop and implement innovative training solutions to ensure Aviation Australia's strategic initiatives are achieved.
- Work with Aviation Australia's Software Engineer and key stakeholders to develop the Aviation Australia HTML Toolbox and Autopilot applications and other courseware related projects.
- Develop solutions that improve the efficiency of the development and continuous improvement of Aviation Australia's traditional and online training resources and services.
- Support and train PDD staff with technology support and use of any new systems, applications or tools developed to assist with courseware design, development and maintenance.
- Develop and maintain technical development documentation.
- Contribute to continuous optimisation and improvement of processes.
- Accept delegated tasks as directed by the PDD manager / reporting manager and senior management.
- Comply with the requirements of Aviation Australia's:
 - Code of Conduct.
 - Work Health and Safety legislation.
 - Policies and procedures.

AUTHORITIES

The Learning System Software Developer –has the authority to:

- Access systems and resources relevant to training and PDD documentation generation under authorisation of the accountable / reporting manager.

SELECTION CRITERIA**Qualifications**Essential

- A Degree-level qualification in computer science, computer engineering, software engineering or a related discipline.

Desirable

- Foundation knowledge of the operating principles of cloud hosted learning support environments including user authentication, role-based access, and administration.

ExperienceEssential

- Full-stack developer (enjoys web development and server development).
- Has developed or contributed towards the development of web-based applications.
- Experience with: JavaScript, HTML, CSS, TypeScript, Python, React.js.
- Familiar with:
 - MERN tech stack (MongoDB, Express.js, React.js, and Nodejs)
 - Cloud computing (MS Azure preferred or AWS, GCP)
 - Agile methodology, Scrum and Kanban software project management basics
 - REST API principles
 - CI/CD pipelines
- Experience with programming tools and best practices including:
 - Git fundamentals
 - Code linting
 - Code testing
 - Reading/writing technical documentation.

Desirable

- Familiar with Learning Management System (LMS) and or Learning Content Management System (LCMS) integrations.

Knowledge and SkillsEssential Soft Skills

- Maintain a personal and professional "continuous improvement" philosophy.
- Effective interpersonal, written and oral communication skills.
- Well-developed problem-solving skills.
- Demonstrated experience and/or knowledge of how to effectively work with a diverse workforce, to ensure the workplace is safe from discrimination, bullying, harassment or sexual harassment.

Personal QualitiesEssential

- Enthusiastic, energetic and motivated approach to work.
- Ability to work both independently and within a flexible team environment.
- Ability to interact with internal and external customers from diverse cultural backgrounds, displaying awareness of cross-cultural communication issues.
- Willingness and ability to demonstrate initiative and accept responsibility.