BCcampus Job Description: Intermediate Software Developer
Date: October 2020

The Intermediate Software Developer contributes to BCcampus' software service architecture by building high-quality software products and information services. This position is responsible for developing and maintaining software, researching and advising on technology decision-making, and collaborating on software development teams.

The Intermediate Software Developer reports to the Senior Manager, IT Services and works with project and service stakeholders to architect, design, and develop software to meet BCcampus' mandate to provide teaching, learning, educational technology, and open education support to post-secondary institutions in British Columbia. The position supports, fosters, and lives the BCcampus core values of: Open. Sharing. Access. Accountability. Quality. Respect.

Position Outcomes:

- Contribute to all phases of the software development and maintenance lifecycle, with a focus on building software to meet user requirements and project outcomes
- Respond to project requirements and user needs with technical options and opportunities, and provide technical strategy and development recommendations
- Develop software to meet project scope, budget, and timeline milestones
- Troubleshoot, update, and maintain existing web sites and software
- Identify, research, recommend, and implement current and emerging best-practice development strategies, tools, and frameworks to meet user and stakeholder requirements

- Collaborate with technical and non-technical colleagues, external contractors, and clients and contribute to high-functioning software development project teams that meet project goals and objectives
- Collaborate with the lead developer to review, evolve, and improve code in order to grow team capacity, create high-quality products, and achieve software development best practices and methodologies

- Foster a positive, supportive, and strong team culture within and among BCcampus employees, project stakeholders, and external project contractors
- Establish strong, positive, productive relationships and collaborate with colleagues, external contractors, and clients to cultivate high-functioning software development teams that meet project goals and objectives

- Work remotely and/or in the BCcampus office and participate with geographically distributed teams
- Share knowledge openly and continually expand and update professional knowledge

Education and subject matter expertise:

- Undergraduate degree in Computer Science, or equivalent combination of post-secondary education and work experience
- Three years of software design and development experience in a professional environment
- Practice working in cross-functional, team-based, iterative software development methodologies such as Agile
- Professional working proficiency with open source tools and developing open source products
- Professional working proficiency implementing websites and developing applications using Content Management Systems (CMSs) such as WordPress
- Working proficiency in configuring and administering web servers (e.g. Apache)
- Full working proficiency with current and emerging web development technologies, standards, and software, including but not limited to:
  - PHP, JavaScript, HTML, CSS, XML, SQL
  - Web frameworks such as React, Node, Angular and Vue
  - Content Management Systems such as Wordpress
  - Mobile and responsive web design
  - REST APIs
  - Integrated development environments
  - Continuous integration and deployment tools, and unit and integration testing frameworks
  - Task and project management tools (e.g. Jira, Trello and Git/GitHub)
  - Cloud hosting environments (e.g., AWS, Azure)

Competencies:

- Excellent interpersonal and teamwork skills
- Excellent organizational skills and the ability to effectively manage completion of tasks within a set timeframe
- Excellent analytical skills, creativity, and resourcefulness

- Work effectively in the BC post-secondary system
- Work well under pressure, effectively meet deadlines, and build consensus through a team-based approach
- Energetic and resourceful