APPLICATIONS DEVELOPMENT TEAM
Software Developer

Software Developer
Member of: Applications & Tools Development Team
Reports to: CTO
    Infrastructure, Engineering, & Systems Division
    Technology & Product
Category: Salaried, Exempt
Required: N/A

Job Summary
The Software Developer creates applications and tools that host and support Shadow Health products and data.

Software Developer
The Software Developer collaborates with a cross-functional development team that includes game developers, content experts, education experts, artists, designers, and systems engineers creating innovative solutions to deliver course content to students, represent student data analytics for faculty, ensure seamless access to the product across varying access points, improve access to system data for company stakeholders, and more.

The Software Developer contributes to Shadow Health’s success by ensuring that our technology is accessible to users from registration, throughout the course, and beyond with our life-time access guarantee.

Job Tasks

DEVELOPS both front- and back-end (full stack) software
- Improves the user experience of current software
- Maintains existing codebases - (e.g. bug fixes, updating platforms, updating libraries)
- Develops new components - (e.g. applications, services, features, user interfaces, tooling)
- Implements inter-service communication, typically via REST APIs
- Integrates 3rd-party services via SDK or APIs - (e.g. Heroku, AWS, Salesforce)
- Tests one’s and team’s code - (e.g. unit testing, integration testing)
- Participates in team code review
- Integrates developed applications and services with the systems of internal and external customers
- Troubleshoots issues with deployed code

DESIGNS software
- Creates and evaluates software design patterns for front- and back-end services
- Considers user experience and workflows, data flow, security of data in transit and at rest, system architecture, available infrastructure

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- Communicates with internal and external customers to identify functional and non-functional requirements and iterate on designs
- Analyzes and breaks-down user stories and functional requirements of end-users
- Identifies issues to operational efficiency

RELEASES software
- Communicates with customers about product updates and releases
- Manages software release from development, through testing, staging, and release
- Manages user authorization of Shadow Health’s systems

DEVELOPS with the development team
- Shares knowledge of emerging technologies amongst teammates
- Researches new development concepts as to drive innovation

COLLABORATES with a cross-functional team
- Participates in Scrum processes - (e.g. plan/review/retro, daily stand ups, maintaining project board, identifying risks and blockers)

Education and Experience

REQUIRED
- B.S. or B.A. in Computer Science, Computer Engineering, or related field OR 1 year of related work experience and an A.S. degree in related computing or design discipline
- Academic or self-developed projects
  - Development of web applications or services using any of: Ruby on Rails, Java, .NET, Node.js, Scala
  - Use of SQL or NoSQL database systems - (e.g. PostgreSQL, MongoDB, Cassandra, Redis)

PREFERRED
- 2 years in Software Development Industry
- Agile development experience - (e.g. Scrum, Kanban, XP)
- Skill with CSS, HTML 5, JavaScript and AJAX
- Experience designing highly relational data models
- Academic or self-developed projects utilizing public cloud infrastructure for compute and data services - (e.g. compute and data services offered by AWS, Azure, Google Cloud Platform)
- Academic or self-developed projects utilizing horizontal scaling or patterns for scaling distributed systems