

Senior Software Engineer

Reporting Line: Rebates Product Technology Lead

Role Level: 4

Location: Steam Mill

About Us

We are Oxbury: The only UK bank dedicated to British agriculture. Founded by farmers, bankers, and technologists, we have combined the worlds of financial services, technology, and agriculture to provide bespoke financial products to support the rural economy.

Our mission is to create and grow a sustainable, customer-focused, and innovative bank that supports and champions the financial health of the rural economy.

Oxbury Earth Ltd is the technology arm of Oxbury Bank Plc. We provide SaaS software to enable agriculture businesses to better run their business and integrate to financial solutions.

About the Role

To design and build testable, efficient, secure, resilient, distributed and scalable banking and data management software based on the specifications and designs provided by the Business and UX/UI Team.

Role Responsibilities

- Review and contribute to the ongoing evolution of the software development process.
- Mentor junior staff.
- Create technical designs based on requirements from the Business.
- Develop software solutions to meet the documented needs of the project.
- Improve existing software.
- Write all code using Object Oriented Programming.
- Utilise design patterns where applicable.
- Write code that follows general good practise and adheres to in-house development standards.
- Adopt SOLID engineering principles.
- Use a Test-Driven Development approach and write automated tests for the majority of code you write. (No less than 80%, but aim for 100%).
- Regularly demo your achievements to the rest of the team and the wider Business.
- Document any code you write.

- Support other members of the team.
- Be cognizant of Secure Development practises and consider security with every design choice you make.
- Develop scalable, secure back-end services supporting complex logic to calculate financial positions based on data.
- Develop complex data pipelines to support ingest and processing of transactional data.
- Develop secure, robust and easy to implement API endpoints for the UI and third parties to easily integrate with our system.
- Manage and prioritise work based on the sprint boards in Jira.
- Produce estimates for each segment of work for the Business Analysts.
- Contribute to Agile team meetings.
- Coordinate new features with QAs.
- Code review team members code, and allow your own code to be reviewed.
- Adopt a process of continuous improvement to yourself, ensuring you remain aware of new technologies and standards. Be prepared to present the pros and cons of these to the team.

Minimum Skills / Experience

Required Skills / Experience

- A solid track record of object-oriented programming principles and a good understanding of design patterns.
- At least one MVC framework, and also have experience of working with unframeworked code – and be able to determine which choice to make in a given situation.
- You will understand and use Version Control System best practises. We use Git, but equivalentents are acceptable.
- A good understanding of Linux Shell (Bash is great).
- Professional and demonstrable server-side Java and JavaScript experience.
- A real understanding of data storage technologies – you should be proficient with SQL as a minimum and ideally have experience of NoSQL and Caching.
- Commitment to testing and understand that it's the bedrock on which Products are built.
- Experience of delivering and maintaining public APIs.

Desirable Skills / Experience

- Experience of working in the Financial Services sector, although not a requirement.
- Demonstrate experience in NodeJS / ReactJS / TypeScript.
- A solid understanding of Microservices design principles and technologies.
- Continuous Integration and Deployment.
- Amazon Web Services.
- SOLID Principles.
- Message Queues.
- Serverless Architectures.
- Data hygiene and AI/ML tools to assist with data cleaning.

Interested in joining Oxbury?

Interested candidates should submit their CV and a brief covering letter outlining their experience in agriculture, any previous work experience and why they believe they are suitable for the role. To apply please click [here](#).