How to fine tune open-source Large Language Models (LLMs) with companies own software development data for personalised use cases

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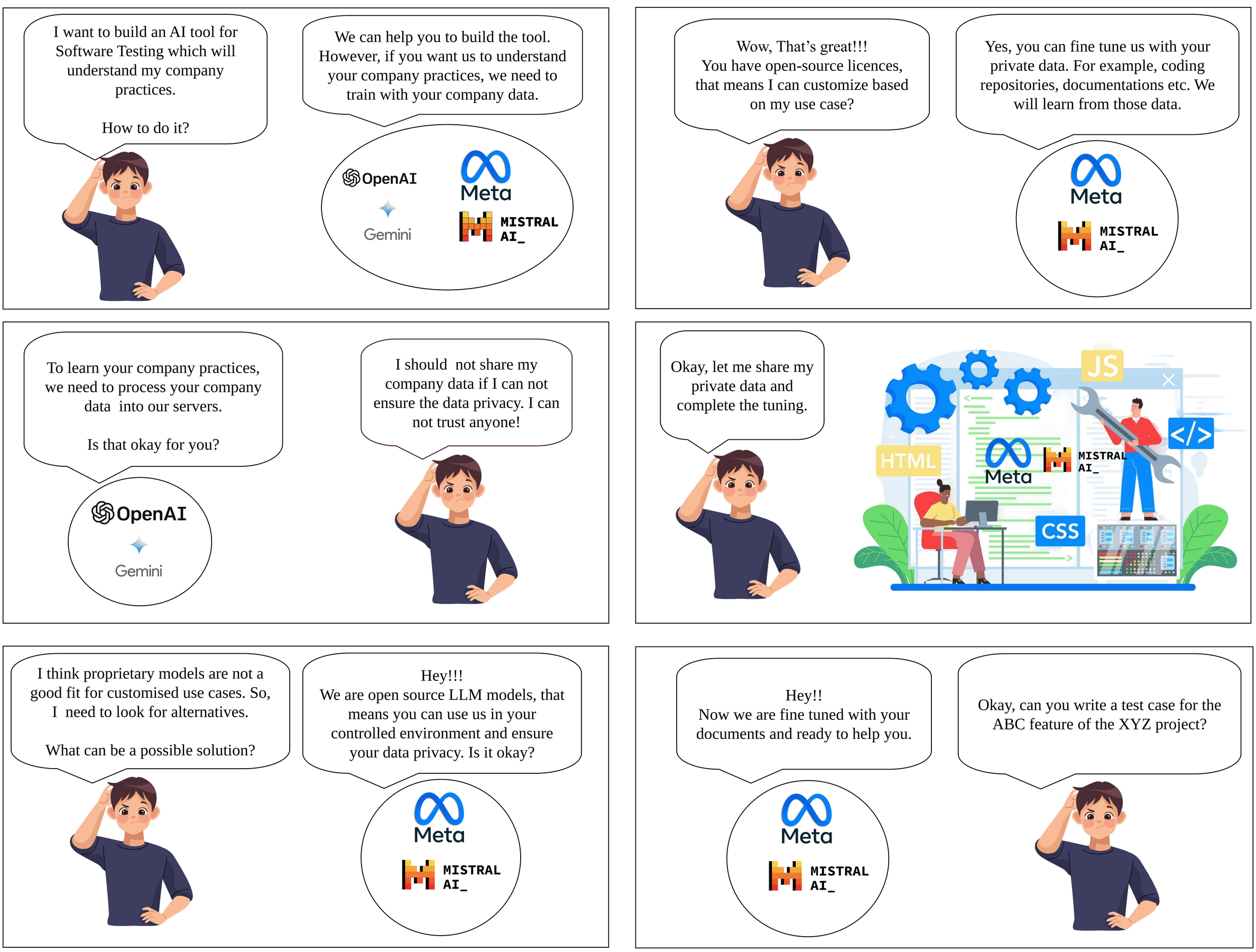
Research Questions:

- **RQ1:** What are the most prominent open-source LLMs for Software Engineering(SE), and how do they compare to proprietary models in terms of capabilities and limitations?
- **RQ2:** What are the most effective techniques to fine-tune open-source LLMs with private data to optimize their performance for specific software engineering use cases?
- **RQ3:** What are the key challenges of using fine-tuned LLMs in software engineering, and what strategies can help address issues like model accuracy, biases, and scalability?



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