ITQuaLab
Software Quality

Open Collaboration Proposal 2025

Summary

Welcome to my business collaboration proposal. I am Marc Andreu, a software engineer with over 20 years of software engineering experience. I specialise in Software Quality Assistance and full-stack development. I live in South Korea, where I have been freelancing IT services at ItQuaLab since 2021.

I work mainly in a full-remote style and adapt to any client's timezone for online meetings, so my physical location does not negatively impact the project's quality. Nonetheless, I am happy to visit the clients in person upon specific requests and when the budget qualifies.

Areas work:

My expertise spans automation engineering, quality assistance, and systems integration, as detailed on my website, marcandreuf.com. I am excited to offer my services to help your business thrive through collaboration in the following areas:

- Automate biz/SDLC processes:
   I design automation solutions to streamline business and software development lifecycle (SDLC) workflows. From task management to deployment, I enhance efficiency and reduce manual effort with customised scripts and tools.

- Implement internal tooling
   I build tailored internal tools, such as dashboards, data processors, or workflow managers, to support your team's operations. I create solutions that integrate seamlessly with your existing systems for maximum productivity.

- Refactor & fix internal tooling.
   I refactor, update dependencies, and fix code for existing internal tools to improve the team velocity. I also update outdated features and fix bugs, ensuring your tools evolve with your business needs. I do all this while adding the necessary UT / IT layers to facilitate future maintenance work.

- Code refactoring (Java, PHP, Python, JS/TS)
   Enhance codebases in Java, PHP, Python, and JavaScript/TypeScript for better readability, maintainability, and scalability. I streamline complex logic and eliminate technical debt to boost software performance.

- QA activities of the SDLC

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South Korea

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I oversee quality activities and controls throughout the SDLC, from requirements analysis to post-release validation. I ensure your software meets the expected quality definitions through structured testing and process management.

- Test automation

    I use modern tools to develop automated testing frameworks for unit, integration, and end-to-end scenarios. Reusable, scalable test suites reduce testing time and improve reliability. I've worked with Playwright, Cypress, Selenium and more.

- CI/CD pipeline configuration

    I set up and optimise continuous integration and continuous deployment (CI/CD) pipelines for automated builds, tests, and releases. I also ensure fast, consistent delivery with tools like Jenkins, GitLab, GitHub Actions, etc.

- Local dev env setup / containerised

    Configure efficient, reproducible local development environments, often using Docker for containerisation. I simplify onboarding and ensure consistency across development, testing, and production stages.

- Systems Integration

    Connect disparate applications and third-party services into a cohesive system with robust integrations. I design solutions that enable smooth data flow and functionality across platforms.

- API testing

    Conduct thorough testing of APIs for functionality, performance, and security using tools like Postman or custom scripts. I ensure your APIs are reliable, fast, and secure for end-users.

- API development

    Design and build RESTful APIs with clear endpoints, comprehensive documentation, and scalability in mind. I deliver APIs that integrate seamlessly and meet your application's needs.

- Integrated testing framework setup

    Establish frameworks that combine unit, functional, and end-to-end tests for complete coverage. I create robust systems to catch issues early and ensure high-quality feedback loops for the development team.

- Web & web app development

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Develop responsive, high-performance web applications using modern frameworks and technologies. I craft user-friendly solutions tailored to your business goals and audience.

- React Native dev for mobile apps.
  I build cross-platform mobile apps with React Native, delivering a native-like experience on iOS and Android. I focus on performance, usability, and rapid deployment for your mobile needs.

Whether you need to automate processes, improve software quality aspects and methods, or develop applications, I can provide the expertise and support you need.

Areas of Collaboration

My expertise covers a broad spectrum of software-related services, categorised as follows, with detailed descriptions:

Category	Services	Description
Process Automation and Tooling	Automate biz/SDLC processes	Streamline business and software development lifecycle (SDLC) workflows by designing automation solutions. From task management to deployment, I enhance efficiency and reduce manual effort with customized scripts and tools.
	Implement internal tooling	Build tailored internal tools like dashboards, data processors, or workflow managers to support your team's operations. I create solutions that integrate seamlessly with your existing systems for maximum productivity.
	Refactor & fix internal tooling	Optimize and repair existing internal tools to improve performance, reliability, and usability. I update outdated features and fix bugs, ensuring your tools evolve with your business needs.
Code Refactoring and Development	Refactor code (Java, PHP, Python, JS/TS)	Enhance codebases in Java, PHP, Python, and JavaScript/TypeScript for better readability, maintainability, and scalability. I streamline complex logic and eliminate technical debt to boost software performance.
	Web & web app development	Develop responsive, high-performance web applications using modern frameworks and technologies. I craft user-friendly solutions tailored to your business goals and audience.

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	React Native dev for mobile apps	Build cross-platform mobile apps with React Native, delivering a native-like experience on iOS and Android. I focus on performance, usability, and rapid deployment for your mobile needs.
Quality Assurance and Testing	QA activities of the SDLC	Oversee quality assurance throughout the SDLC, from requirements analysis to post-release validation. I ensure your software meets high standards through structured testing and process management.
	Test automation	Develop automated testing frameworks for unit, integration, and end-to-end scenarios using modern tools. I reduce testing time and improve reliability with reusable, scalable test suites.
	API testing	Conduct thorough testing of APIs for functionality, performance, and security using tools like Postman or custom scripts. I ensure your APIs are reliable, fast, and secure for end-users.
	Integrated testing framework setup	Establish frameworks that combine unit, functional, and end-to-end tests for complete coverage. I create robust systems to catch issues early and ensure software quality across layers.
DevOps and CI/CD	CI/CD pipelines configuration	Set up and optimize continuous integration and continuous deployment (CI/CD) pipelines for automated builds, tests, and releases. I ensure fast, consistent delivery with tools like Jenkins, GitLab, or GitHub Actions.
	Local dev env setup / containerized	Configure efficient, reproducible local development environments, often using Docker for containerization. I simplify onboarding and ensure consistency across development, testing, and production stages.
Systems and Data	Systems integration	Connect disparate applications and third-party services into a cohesive system with robust integrations. I design solutions that enable smooth data flow and functionality across platforms.
	Data engineering & processing	Create data pipelines and processing workflows to handle large datasets efficiently. I leverage Python, SQL, and other tools to transform, store, and analyze data for actionable insights.

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	API development	Design and build RESTful APIs with clear endpoints, comprehensive documentation, and scalability in mind. I deliver APIs that integrate seamlessly and meet your application's needs.
Security	Application security management	Assess and enhance application security through vulnerability scans, penetration testing, and best practices. I protect your software from threats while maintaining compliance and performance.

Proposed Solution

My open proposed solution is to collaborate on a project basis to achieve your goals. I'll bring my technical skills and experience, starting with a thorough understanding of your requirements, followed by planning, implementation, testing, and maintenance. This approach ensures tailored solutions that meet your business needs, leveraging my dual expertise in development and QA. Upon request, I will adapt this collaboration proposal to meet the client's and project's needs.

My Service System's Lifecycle

My service system follows a structured lifecycle:

1. **Requirement Gathering**: Understand your needs and objectives through initial consultations.
2. **Planning**: Create a detailed plan outlining the scope, timeline, resources and impact.
3. **Implementation**: Support or implement the solution according to the plan.
4. **Testing**: Define or perform rigorous testing to ensure functionality and reliability.
5. **Maintenance**: Provide ongoing support to keep solutions up-to-date and efficient.

This lifecycle ensures projects are managed effectively, with clear milestones and communication.

Why Should You Hire Me?

As the founder of ITQL (itqualab.com), specialising in software quality assessment and automation, I bring a wealth of experience. My recent projects include:

- Implementing an automated DB migration tool in Java, reducing deployment time by 70% for a SAAS platform.

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- Developing Python-based programs for data integration, processing, and transformation across APIs.
- Creating an end-to-end testing suite significantly improves test coverage and reliability.
- Designing and implementing the development environments across the SDLC for the whole team.

My skills include proficiency in Java, PHP, Python, JavaScript/Typescript, web and mobile app development using React Native, CI/CD pipeline management with the major platforms, QA processes and automation, and systems integration. I am committed to delivering high-quality work and have a record of client satisfaction and successful projects.

Client references are available upon request to showcase the impact and satisfaction of my past collaborations.

Business Impact and Value

Partnering with me means more than just technical solutions—it's about delivering measurable improvements to your business. I design my services to optimise processes, enhance software quality, and accelerate delivery, ultimately driving efficiency, reducing costs, and boosting your competitive edge. Below are detailed examples of how my expertise translates into real-world value tailored to the needs of businesses like yours.

Streamlined Operations Through Automation

By automating business and SDLC processes, I help you save time and resources while minimising human error. For example, I developed an automated database migration tool for a SAAS platform, cutting deployment time by 70%—from hours to minutes—allowing the team to focus on innovation rather than repetitive and error-prone tasks. This kind of efficiency can transform your operations, freeing up capacity for growth.

Enhanced Software Quality and Reliability

My QA and testing expertise ensures your software performs flawlessly under pressure. In a recent project, I implemented an end-to-end automated testing suite for a web application, reducing critical defects by 60% before launch and saving weeks of manual testing effort. This level of reliability builds customer trust and protects your reputation.

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Consistent and Efficient Local Development

I redefined and automated development environments for multiple client teams, delivering consistent, replicable setups aligned with project dependencies and OS standards. This solution eliminated the "works only on my computer" issue, slashing setup time and debugging effort by ensuring all developers operate in identical, easy-to-start environments. Standardised dev environments boost team productivity and code reliability from the local machines to the production environments.

Interested in hearing more? I can provide client references upon request to detail the value I've delivered to businesses like yours.

Service Plans and Costs

I offer flexible engagement models:

- **Hourly Rates**: Ideal for ongoing support or small tasks.
- **Fixed-Price Projects**: For well-defined projects with clear deliverables.
- **Retainers**: For continuous collaboration and support.

For QA-related services, refer to ITQL's website (itqualab.com) for pricing details. Contact me for a tailored quote based on your specific requirements.

Time Frame of the Contract and Task Administration

Project timelines vary by complexity and scope, with realistic milestones set in collaboration. Task administration involves regular communication and progress updates, ensuring projects stay on track and meet client expectations.

Customer Highlight (Case Study)

While specific case studies are available upon request, I have a history of helping clients improve software development processes, implement efficient internal tools, and develop robust applications. My work has consistently received positive feedback for quality and reliability, enhancing client operations. I can provide client references upon request to detail the value I've delivered to businesses like yours.

Terms On Personal Data Protection

I adhere to all relevant data protection regulations, ensuring client data is handled with utmost confidentiality and security, maintaining trust and compliance.

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Contact Information

To discuss your project or get more information, contact me via:

- Email: marc@itqualab.com
- Linkedin: https://www.linkedin.com/in/marcandreuf

I look forward to the opportunity to work with you and help your business succeed.

Proposal Acceptance and Next Steps

If you agree with the terms and conditions outlined in this proposal and wish to proceed, please sign this document as a token of acceptance. Following this, we will schedule a Kick-Off meeting to further understand the certification requirements and implications, define the certification scope, and establish timelines.

Please sign below to indicate your acceptance of this proposal.

RECIPIENT:	OWNER:
Company name:	ItQuaLab
Company rep:	Marc Andreu Fernandez
_____	_____
Name:	Name: Marc Andreu Fernandez
Title:	Title: Owner

This proposal can also be customised to the client's needs upon request. Please email me to get started and help me redefine this proposal to cover your specific requirements.

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