

Pramoch Viriyathomrongul

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Leipzig, Germany

SUMMARY

Software Engineer with over 6 years of experience in full stack development and extended reality (XR). 1 year of leading engineering teams at a major tech company, delivering reliable software solutions while executing projects from concept to completion.

EDUCATION

- **Bauhaus Universität Weimar** Weimar, Germany
Master of Science in Computer Science; GPA: 1.70 Oct 2021 - Apr 2025
- **Mahidol University** Bangkok, Thailand
Bachelor of Science in Information and Communication Technology Jun 2011 - May 2015

EXPERIENCE

- **Independent Software Developer** Leipzig, Germany
Bauhaus Universität Weimar Mar 2022 - Mar 2025
 - **XR Application Suite:** Developed and delivered several applications including a co-located mixed-reality onboarding system, a social VR gallery showcasing non-photorealistic shading techniques, and a multi-user virtual exploration platform — featured at an IEEE conference and available on Meta Horizon Store. Projects involved scalable system design, real-time processing, and networked collaboration using C#, Unity, Photon, ShaderLab, and Meta XR SDKs.
- **Senior Software Engineer** Bangkok, Thailand
Agoda Jul 2018 - Sep 2021
 - **.NET Core Migration:** Led a team of 7–10 engineers in migrating a web application from old .NET Framework to .NET Core, enabling Linux server deployment. This migration yielded operational cost savings of \$1–2 million, reduced server-side latency by approximately 250ms, and cut client-side load time by about 500ms at the 90th percentile.
 - **GraphQL Integration:** Spearheaded a team of 7–10 engineers in integrating GraphQL into the web application, achieving a 40% reduction in pull requests across both front-end and back-end repositories and accelerating market delivery timelines.
 - **React Architecture Rebuild:** Re-engineered the website from a server-side application to a component-based React architecture, reducing server-side load times from over 1000ms to 200ms and client-side page load times from over 8000ms to 2200ms at the 90th percentile.
 - **TypeScript Adoption:** Transitioned the client-side codebase from JavaScript to TypeScript, decreasing production bugs through static type checking and improving long-term maintainability.
 - **Gateway PoC:** Led a proof of concept comparing Node + Apollo and Scala + Sangria frameworks, guiding the front-end department in selecting a new gateway service.
 - Developed real-time graphs, metrics, alarms, and monitoring dashboards to display live system status on production servers.
 - Managed responsibilities across 2 Scrum teams concurrently, ensuring efficiency and meeting the project timelines.
 - Actively participated in recruitment and mentorship programs, contributing to team growth and knowledge sharing.
- **Software Engineer** Bangkok, Thailand
Agoda Jun 2015 - Jun 2018
 - **VB to C# Overhaul:** Transitioned server-side code from VB to C#, dramatically reducing web service response times from seconds to milliseconds and improving integration with .NET libraries.
 - Collaborated with product and technical teams to deliver high-quality software solutions, consistently meet KPIs.
 - Integrated a microservices architecture into the web application, enhancing performance, reducing frontend code complexity, and clarifying system responsibilities.

- Implemented best practices such as A/B testing, code quality assurance, and the design of scalable architectures.
- Led the development of strict API coding standards across both front-end and back-end teams, which reduced bugs, minimized technical debt, and improved overall code quality.
- Provided on-call support to ensure system reliability and uptime.

- **Software Developer Internship**

Chemnitz, Germany

Technische Universität Chemnitz

Jun 2014 - Aug 2014

- **Embedded System:** Developed an application for a hardware-in-the-loop system using the Digilent Electronics Explorer board, supporting the teaching of digital systems fundamentals and rapid prototyping techniques using C and Java.

PROGRAMMING SKILLS

- **Language:** C#, Java, JavaScript, TypeScript, SQL
- **Web Stack:** .NET, React, Vite, GraphQL, Kibana, Grafana, Selenium, Jest, Mocha, Chai, Elasticsearch, MSSQL, SQLite, Bootstrap, Sass, jQuery, NUnit, xUnit
- **XR Stack:** Unity, Unity Netcode, Meta XR SDKs, XR Interaction Toolkit, Photon Engine, Git

LANGUAGES

- **English:** Professional working proficiency
- **Thai:** Native proficiency