

# Pramoch Viriyathomrongul

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Leipzig, Germany (Open to Relocation)

## SUMMARY

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Full-stack engineer with 6+ years of experience building scalable web applications using React, TypeScript, and C#/.NET, with expertise in databases and CI/CD pipelines. Recently completed a Master's degree in Computer Science. Experienced leading teams through technology migrations and architectural transformations.

## TECHNICAL SKILLS

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- **Core Expertise:** C#, ASP.NET, TypeScript, JavaScript, React
- **Tools & Platforms:** Azure, Docker, GitHub Actions, Grafana, Kibana, Netlify, Linux, Git, Jira
- **Web Technologies:** Restful APIs, JWT, PostgreSQL, SQLite, MSSQL, GraphQL, Elasticsearch, Java, Node.js(Express), HTML, CSS, Sass, Bootstrap, Material UI, jQuery, Jest, Mocha, xUnit, Selenium
- **VR/AR Technologies:** Unity, Netcode, Photon Engine, Meta XR SDK, XR Interaction Toolkit

## EDUCATION

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- **Bauhaus Universität Weimar** Weimar, Germany  
*Master of Science in Computer Science; GPA: 1.7* Oct 2021 - Apr 2025
- **Mahidol University** Bangkok, Thailand  
*Bachelor of Science in Information and Communication Technology* Jun 2011 - May 2015

## EXPERIENCE

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- **Bauhaus Universität Weimar** Weimar, Germany  
*Software Developer (Projects)* (3y) Apr 2022 - Apr 2025
  - **Developed a collaborative task management web app** featuring real-time team collaboration via SignalR, task boards similar to Jira, built with React, TypeScript, Material UI, ASP.NET, PostgreSQL, and automated deployment/testing with Docker, Azure, Jest, xUnit and GitHub Actions.
  - **Developed a web-based photovoltaic platform** with real-time weather integration, automated data collection and reporting to optimize solar energy planning, using ASP.NET, Javascript, D3.js, Leaflet, Vite, and SQLite.
  - **Developed new functionalities for an argument search engine**, including date-based filtering, user feedback systems, and a Lucene-to-Elasticsearch migration, using Java, Apache Lucene, and Elasticsearch.
  - Developed a console app for teaching the Alloy modeling language, featuring exercises, instant feedback, and model visualization using Java and Alloy API.
  - Developed several VR/AR applications including a co-located mixed-reality onboarding system, a social VR gallery, and a multi-user VR exploration features at IEEE conference and available on Meta Horizon Store. Projects involved real-time processing, and networked collaboration using C#, Unity, and Photon Engine.
- **Agoda Co., Ltd.** Bangkok, Thailand  
*Senior Software Engineer* (3y 3m) Jul 2018 - Sep 2021
  - **Led a team of 7–10 engineers to migrate legacy .NET to .NET Core for a large-scale web application**, enabling Linux server deployment. The migration reduced server-side latency by 250ms, improved client-side load time by 500ms (90th percentile), and resulted in \$1–2 million in operational cost savings.
  - **Spearheaded a team of 7–10 engineers integrating GraphQL into a large-scale web application**, reducing pull requests by 40% across front-end and back-end repositories and accelerating development cycles.
  - **Rebuilt website architecture from server-side rendering to component-based React**, improving server-side load times by 800ms and client-side performance by 5000ms at 90th percentile.
  - **Transitioned the client-side codebase from JavaScript to TypeScript**, decreasing production bugs through static type checking and improving long-term maintainability.

- **Built real-time dashboards to monitor production server health** using Grafana and Kibana, improving issue detection and reducing response times.
- **Led a proof of concept for a GraphQL API gateway**, comparing Node.js + Apollo and Scala + Sangria frameworks, guiding front-end and back-end teams in selecting a new solution for the system migration.
- Managed responsibilities across 2 **Agile/Scrum teams**, ensuring efficiency and meeting the project timelines.
- **Participated in recruitment and mentorship programs**, contributing to team growth and knowledge sharing.

- **Agoda Co., Ltd.**

Bangkok, Thailand

*Software Engineer*

*(3y) Jun 2015 - Jun 2018*

- **Integrated microservice architecture into a web application**, improving performance, simplifying frontend complexity, and clearly defining system responsibilities.
- **Transitioned legacy Visual Basic backend codebase to C#**, significantly reducing response times from seconds to milliseconds and improving .NET library integration.
- Implemented best practices such as **A/B testing**, code quality assurance, and the design of scalable architectures.
- **Provided on-call support** to ensure system reliability and uptime.
- Collaborated with product and technical teams to deliver high-quality software solutions.

- **Technische Universität Chemnitz**

Chemnitz, Germany

*Software Developer Internship*

*(3m) Jun 2014 - Aug 2014*

- 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, Java and JNI.

## CERTIFICATIONS

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- **Application Security and Secure Coding**

Issued Date: Sep 2019

*CISO, Agoda*

## LANGUAGES

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- **English:** Professional proficiency (C1)
- **German:** Basic proficiency (A1)
- **Thai:** Native proficiency