Pramoch Viriyathomrongul

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Leipzig, Germany (Open to Relocation)

SUMMARY

Software Engineer with 6+ years of professional experience specializing in full-stack web development and XR applications, recently completed a Master's degree in Computer Science. Experienced in leading engineering teams through technology migrations and architectural transformations.

EDUCATION

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

Bauhaus Universität Weimar
Weimar, Germany
Software Developer (Projects)
Apr 2022 - Apr 2025

- Developed a web-based photovoltaic calculation platform featuring real-time weather integration, automated data collection, and reporting to optimize solar energy planning, using ASP.NET, JavaScript(Leaflet, D3.js), and SQL.
- Developed new argument search engine functionalities, including date-based filtering, user feedback systems, and a Lucene-to-Elasticsearch migration, using Java, Spring Boot, Apache Lucene, and Elasticsearch.
- Developed several XR 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.

Agoda Co., Ltd.
Bangkok, Thailand
Senior Software Engineer (Search Results Page)
Jul 2018 - Sep 2021

- **.NET Core Migration**: Led a team of 7–10 engineers in migrating a web application from legacy .NET Framework to .NET Core, enabling Linux server deployment. This migration yielded operational cost savings of $1-2 million, reduced server-side latency by 250ms, and cut client-side load time by about 500ms at 90th percentile.
- **GraphQL Integration**: Led a team of 7–10 engineers integrating GraphQL into the web application, reducing pull requests by 40% across front-end and back-end repositories and accelerating development cycles.
- **React Architecture Rebuild**: Rebuilt website architecture from server-side rendering to component-based React, improving server-side load times from 1000ms to 200ms and client-side performance from 8000ms to 2200ms at 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.
- **Monitoring System**: Built real-time Grafana and Kibana dashboards to monitor production server health, improving issue detection and response times.
- Managed responsibilities across 2 Scrum teams concurrently, 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 (Search Results Page)
Jun 2015 - Jun 2018

- **Microservice Architecture**: Integrated a microservice architecture into the web application, improving performance, simplifying frontend complexity, and clearly defining system responsibilities.
- **VB to C# Overhaul**: 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.
- Collaborated with product and technical teams to deliver high-quality software solutions, consistently meet KPIs.
- Provided on-call support to ensure system reliability and uptime.

- **Technische Universität Chemnitz**   Chemnitz, Germany
  Software Developer (Internship)   *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.

TECHNICAL SKILLS

- **Core Expertise**: C#, ASP.NET, TypeScript, JavaScript, React
- **Tools & Platforms**: Docker, Grafana, Kibana, Git, GitHub Actions, Jira
- **Web Technologies**: Java, PostgreSQL, SQLite, MSSQL, GraphQL, Elasticsearch, HTML, CSS, Sass, Bootstrap, Material UI, Vite, Jest, Mocha, Selenium, xUnit, jQuery, Leaflet, D3.js
- **XR Technologies**: Unity, Unity Netcode, Meta XR SDKs, XR Interaction Toolkit, Photon Engine

LANGUAGES

- **English**: Professional proficiency
- **German**: Basic proficiency (A1)

- **Thai**: Native proficiency