



Trần Bình

SOFTWARE ENGINEER

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23/11/1999

Hà Nội

About me

Dynamic and detail-oriented Full-stack Developer with 4 years experience in microservices architecture and cloud-based solutions. Proven ability in leading and contributing to complex projects, optimizing performance, and enhancing user experiences in diverse domains such as Banking, Mental health, and eCommerce.

My skills include:

- Architecture: Monolithic, Micro Services, Serverless.
- Programming Languages: JavaScript, TypeScript, Java, Groovy, Ruby, Golang.
- Library/Frameworks: NestJS, ExpressJS, Spring boot, Groovy on Grails, ReactJs, NextJs, RemixJS, Gin, Ruby on Rails.
- Infrastructure: K8s, Docker, Zipkin, Grafana, Elasticsearch, Prometheus, Terraform, Serverless and AWS CDK.
- Source Control: Git, Github, GitLab.
- Relational Databases: MySQL, Postgres.
- NoSQL: MongoDB, QLDB.
- IDEs: VS Code, Vim, IntelliJ, SpringToolsSuit4.
- Operating Systems: Windows, Ubuntu, Mac OS.
- Testing Framework: Cypress, Jest, React Testing Library.
- Caching Framework: Redis.
- Continuous Delivery: Jenkins, Github action.

Education

HaNoi University of Industry
08/2017 - 01/2021 | Control and Automation Engineering Technology
<https://vbcc.hau.edu.vn/?sc=3959a48229>

Skill

Excellent	Nest.js	ReactJS	Microservices architecture		Serverless architecture			
	Jenkins	Docker	Github	ELK	Prometheus	Grafana	ElasticSearch	
	ExpressJS	Ruby on Rails		AWS	HTML	GraphQL	REST	
Intermediate	Spring Boot	Ruby on Rails		Kafka	AWS	CSS	REST	GraphQL

Work

07/2023 - NOW

Experience

SOFTWARE ENGINEER | Alphaway Technology Joint Stock Company

Developed a consent application for Kenanga Banking, a Malaysian client, to facilitate permission requests from banking app users. The application aims to provide customers with access to stock exchanges, cryptocurrencies, and other financial instruments.

PROJECT:

Team size: 5

Responsibilities:

- Managing infrastructure using AWS Cloud Development Kit (CDK), and integrating services like SES, SNS, Kinesis, and QLDB.
- Integrated with third-party services to synchronize user management systems, thereby enhancing operational efficiency and user experience.
- Automated workflows with n8n and managed content models with Directus for efficient content management.
- Integrated Gcash for secure electronic payments.

HighLight:

- Participated directly in client consultations, providing technical insights and solutions without the need for a Business Analyst.

Technologies Used:

- Front-end: RemixJS/ReactJS.
- Back-end: Typescript, Lambda, AWS CDK, Serverless.
- Microservices: Kinesis.
- Database: QLDB.

Development Tools: Visual Studio Code, Vim, Git, Jira, N8n, Notion.

03/2021 - 07/2023

FULL-STACK DEVELOPER | FPT Software

Contributed to an online platform offering access to licensed mental health professionals, including psychiatrists, therapists, and counselors, for support and treatment of various mental health conditions. Implemented architectural changes from monolithic to microservices due to increasing user base, employing Ruby on Rails, NestJS, and ReactJS frameworks.

PROJECT:

Team size: 12+

Responsibilities:

- Key contributor to an online platform for mental health professionals, handling architectural migration from monolithic to microservices due to user base growth.
- Developed and managed Auth, Prescription, and Medication Services using Rabbit MQ.
- Executed data migration through background jobs, and integrated Okta SSO for robust authentication.
- Implemented Kafka Consumer with Debezium for data import into ElasticSearch.
- Utilized Datadog for comprehensive monitoring of the distributed system.
- Implemented micro frontend architecture using Webpack.

Highlight:

- Best performance of year award.

Technologies Used:

- Front-end: React, Redux, Webpack, Bootstrap, Tailwind CSS.
- Back-end: NestJS, MySQL, RestAPI, Docker, Kubernetes.
- Microservices: Kafka, Kubernetes.
- Development Tools: Visual Studio Code, Vim, Git, Jira, Confluence, Slack.

10/2020 - 03/2021

FRESHER | FPT Software

Contributed to building a custom eCommerce platform enabling users to browse and access detailed product information. Admin capabilities included managing products, prices, images, and sales metrics.

PROJECT:

Team size: 5

Role:

- Contributed to the development of a custom eCommerce platform, allowing users to access detailed product information and manage sales metrics.
- Built and managed services including Auth, Ticket, Order, and Payment, facilitating communication via Rabbit MQ.
- Optimized PostgreSQL database queries and implemented ELK stack for distributed monitoring.
- Worked with AWS services such as EKS, Secret Management, S3, and RDS.

Highlight:

- Successfully released the platform before the deadline.

Technologies: Express, Postgres, AWS service.

Personal Project

01/2023 - NOW

Master event-driven microservices architecture with patterns using Spring boot, Spring cloud, Kafka and Elasticsearch

The microservices patterns that you will be implementing are:

- Externalized configuration with Spring Cloud Config
- CQRS with Kafka and Elastic search
- Api versioning for versioning of Rest APIs
- Service Registration and Discovery with Spring Cloud and Netflix Eureka
- Api Gateway with Spring Cloud Gateway
- Circuit breaker with Spring Cloud Gateway and Resilience4j
- Rate limiting with Spring Cloud Gateway and Redis to use Redis as the Rate limiter
- Distributed tracing with SLF4J MDC, Spring Cloud Sleuth and Zipkin
- Log aggregation with ELK stack (Elasticsearch, Logstash and Kibana)
- Client side load balancing with Spring Cloud Load Balancer
- Database per Service
- Messaging between microservices using Kafka

Certificate	Certified Professional Scrum Master I (PSM I) by Scrum.org
	09/2022 Scrum.org
	Certificate URL: https://www.scrum.org/certificates/820727
	typing binhlinh473@gmail.com
	Udacity Nanodegree Program - Data Structures & Algorithms
	09/2022 Udacity
	Certificate URL: https://confirm.udacity.com/3GHPUUD2
	Udacity Nanodegree Program - Cloud Developer
	07/2022 Udacity
	Certificate URL: https://confirm.udacity.com/A26DKJPZ

Award	Best performance of year(2022)
	12/2022 BU(Business unit) of FPT Software