Trần Bính
SOFTWARE ENGINEER

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About me

Dynamic and detail-oriented Full-stack Developer with almost 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 and AWS services.
- Source Control: Git, Github.
- 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 Techology

https://vbcc.haui.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 Experience

08/2023 - NOW

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 Gkash 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 - 08/2023

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

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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