Thang Ngo

Principal Software / Lead Mobile / Senior Backend

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Summary

Experienced Principal Software Engineer with expertise in Go, C/C++, and Javascript with a track record of delivering high-quality software solutions to clients. Skilled in problem-solving, mentoring teams, designing and developing complex systems, and leading successful software projects. Enthusiastic about joining a dynamic company where I can contribute personal skills and deliver valuable solutions.

Experience

Principal Software Engineer with ZaloPay, Zion Coporation

June 2020 - Present · Z06, No.13, KCX Tan Thuan, Q7, HCM, Vietnam

- Implemented CI/CD pipelines using Jenkins, improving the speed and reliability of software deployments.
- Collaborated with cross-functional teams to troubleshoot and resolve complex technical issues, ensuring uninterrupted service for customers.
- Optimized application performance by identifying and resolving performance bottlenecks, resulting in improved user experience.
- Optimized database indexes, and queries, reducing query execution time and improving overall system response time.
- Used separate databases for transactional or analytical data, to speed up the overall system response time.
- Mentored junior developers on coding best practices, resulting in code quality improvement.
- Used code quality tools to analyze and provide reports about the code quality of projects, enabling the code quality to be measured continually over time.
- Built end-to-end tracing of all services for monitoring the health of systems and rapidly detecting issues.
- Leveraged cross-platform mobile frameworks and cloud solutions for efficient development and resource maximization.
- Contributed ideas, tools, and processes to help products move reliably faster and continue innovating.
- Researched and learned new technologies, be part of vendor discussions and product decisions.

Key technology and skills: *Business Intelligence (BI), Design (APIs, System, Database, Messaging), Docker, Elasticsearch, GitLab, Github, Gitlab (internal), Go, Golang, Grafana, Jenkins, K8s, Kafka, OpenSearch, Prometheus, Python, Shell, Unit Testing*

Associate Software Manager with ZaloPay, VNG Coporation

June 2018 - June 2020 · 182 Le Dai Hanh, HCM, Vietnam

- Designed and implemented RESTful APIs and gRPC (web) APIs, facilitating seamless integration with internal and third-party systems.
- Integrated LDAP and OAuth for secure authentication and authorization, ensuring data privacy and security compliance.
- Collaborated with product managers to gather requirements and delivered high-quality solutions, meeting business/client expectations.
- Collaborated with UX/UI designers to create intuitive and user-friendly interfaces, resulting in increased customer satisfaction.
- Successfully developed an internal microservices framework, resulting in reduced time-to-market.
- Optimized caching system using Redis, Elasticsearch, and Database to solve big data querying issues and reduce response time.
- Worked on a cross-functional Professional Scrum team to deliver Increments of Done product every Sprint.
- Supported refining the Product Backlog to balance between short/long-term needs from a user and functional perspective.

Key technology and skills: *Apache, Docker, ETCD, Elasticsearch, GitLab, Go, Golang, Goolge Protocolbufer, Jira, Kubernetes (wide range of services), Linux, MacOS, Nginx, Python, Redis, Ruby, Swagger, TIDB, TIKV, gRPC*

Lead Mobile Developer with TalkTV, VNG Coporation

May 2015 - May 2018 · 182 Le Dai Hanh, HCM, Vietnam

- Worked on both Android and iOS as a lead for this project and Designed admin console web application using angular JS framework.
- Spent most of time, developing and maintaining mobile SDKs for both Android and iOS.
- Implemented various background tasks and handled Google Play Service APIs mainly Google Maps APIs and GCM (Google Cloud Messaging).
- Use XCode, Instruments, and Eclipse to develop, debug, and optimize code in Swift and Java.

- Worked closely with team members to research and develop native features such as using the camera, audio processing, video processing, effects, gifts, etc.
- Involved in every stage of application development from initial stages of development to app store deployment.

Key technology and skills: *Android, Angular, Apache, Debugging, Effects, Firebase, Google Cloud Messaging, Google Play Service, Linux, MacOS, Native (Camera, Audio, Video), Nginx, Notification, Online Store Application, Shell, iOS*

Senior Backend Developer with TalkTV, VNG Coporation

August 2012 - May 2015 · 182 Le Dai Hanh, HCM, Vietnam

- Worked closely with the Business users acting as the link between the Business and technology to identify the requirements for new projects.
- Worked on design, implementation, and modification of the C/C++/Python code, and MySQL database schema on the back end.
- Worked on object-oriented programming (OOP) concepts using Python, Django, and Linux.
- Documented project Restful APIs using Swagger for internal and third-party use and also worked on Unit testing and Integration testing.
- Suggested and implemented changes to the existing processes and applications to improve the availability.
- Providing help to peers in development and doing their code reviews.
- Experienced in using version control systems like Git, and SVN.

Key technology and skills: *Apache, C/C++, CSS, Django, GIT, HTML, HTTP, Linux, MacOS, Nginx, PHP, Python, RPC, SVN, Shell, Socket (TCP, UDP), Swagger, Swagger, WordPress*

Senior Web Developer with ThienTan IT services Co, Ltd.

July 2009 - August 2012 · 3 thang 2, HCM, Vietnam

- Designed and implemented a database schema that improved data retrieval speed.
- Implemented a database optimization strategy that increased the website's search speed.
- Developed and maintained RESTful APIs that increased the number of property listings.
- Collaborated with the front-end team to improve user experience, Increasing in website traffic.
- Built web applications and software using HTML, CSS, and JavaScript among others.

- Firmed with multiple PHP frameworks and Content Management frameworks, adapting to different customers for various requirements.

Key technology and skills: *CSS, HTML, Java, Javascript, Linux, MacOS, MongoDB, MySQL, Nginx, PHP, Python, SQLite, Web Frameworks (Contao, Drupal, WordPress,...)*

Skills

Key strengths: *Leadership, Problem Solving, Team Collaboration*

Apache · Authentication/Authorization · Bash and Shell · BitBucket · C/C++ · CI/CD · Consul · Database/Cache · Debian/Ubuntu · Docker · EFK (Elasticsearch + Fluentd + Kibana) · ETCD · Elasticsearch · Encoding/Transport · Everything is Code · Gateway/Middleware · Git · GitHub · GitHub Actions · GitLab · GitLab CI/CD · Go · Golang · HAProxy · HTML/CSS · Infrastructure as Code · Jaeger Tracing · Jira · Kubernetes (K8s, Ingresses, Pods, ConfigMap, Log) · MacOs/Linux · MariaDB/MySQL · Microservice · MongoDB · Monitoring (Metrics + Prometheus + Grafana) · Nginx · Node.js · PHP · PostgreSQL · Python · Rate limiter/CircuitBreaker · RedHat/CentOS · Registry/Discovery · Security and Compliance · Serverless · TIDB · TIKV · Test-Driven Development · Tooling · Transactional/Analytical data · Unit Testing · Wire (Dependency Injection) · gRPC Ecosystem