HOANG TUAN DANG

IT Staff

PROFILE

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- ℹ️ https://tuandh111.github.io/Curriculum-Vitae/

OBJECTIVE

A passionate IT staff with hands-on experience in backend development and network/system administration. Seeking an opportunity to apply and grow my skills in a dynamic software development team. Long-term goal is to become a full-stack engineer with a strong foundation in infrastructure and DevOps.

SKILLS

Frontend Development
 • JavaScript, jQuery, AngularJS

Backend Development
 • Java: Spring Boot, Spring MVC, Spring Data
 • Golang: Echo, GORM, Mux, gRPC, ECDSA
 • C#: .NET Core,.NET MVC
 • Node.js: ExressJS

Databases

EDUCATION

5-2022 - 9-2024
FPT   GPA: 3.5
Major: Information technology

FPT Polytechnic College offers career-focused vocational programs with an emphasis on practical skills and industry connections, ensuring students are job-ready upon graduation.

RELEVANT EXPERIENCE

07/2017 - 09/2018
Production Staff
Lac Ty Company

Responsible for overseeing the production process, ensuring quality control, and maintaining production efficiency. Collaborated with the team to manage production schedules, ensuring daily output targets were met while complying with safety and quality standards. Assisted in implementing new manufacturing techniques to improve product quality and reduce waste.

09-2018 - 03-2020
Laptop Technician
Dai Phat Dat Company

Performed hardware and software repairs on laptops, including replacing components and diagnosing and resolving issues related to operating systems, drivers, and applications. Provided excellent customer service by communicating technical information to non-technical clients and managed inventory of replacement parts

02-2022 - 05-2022
Warehouse Staff
Ninja Van

Managed and coordinated warehouse transportation, ensuring timely handling and distribution of goods. Monitored inventory status, conducted regular checks, and ensured adherence to quality standards in shipping and receiving. Collaborated with the transportation team for efficient delivery operations

05-2024 - 09-2024
 Developer
ST Connection, Ho Chi Minh City

Developed and maintained backend services with .NET technologies. Assisted in designing and implementing RESTful APIs, Collaborated on API integration with frontend interfaces, Engaged in code reviews, debugging, and testing, Gained experience in SQL Server database management, Contributed to project documentation and user guides

• MySQL, SQL Server, MongoDB, PostgreSQL, Apache Solr, Redis

Network & System Administration Skills
• Networking Protocols: TCP/IP, DHCP, DNS, NAT, VPN, ICMP
• Routing & Switching: Cisco, Juniper, VLAN, STP, OSPF, BGP
• Firewall & Security: FortiGate, pfSense, Cisco ASA, IDS/IPS, ACL
• Monitoring Tools: Zabbix, Nagios, SolarWinds, PRTG
• Virtualization: VMware, Hyper-V, VirtualBox
• Scripting: Bash, PowerShell, Active Directory & Group Policy
• Backup & Recovery Tools: Veeam, Acronis

Frameworks & Libraries
• gRPC
• Spring Boot, Spring MVC, Spring Data, Hibernate.
• Echo, GORM
• Express.js, Mongoose
• GraphQL

Additional Skills
• Microservices, Load Balancing, Connection Pooling, Pagination, NLP, Blockchain, Caching.

Tools & Technologies
• Docker, Git, GitHub, SourceTree, AWS

INTERESTS

- Participating in coding challenges to enhance problem-solving skills
- Exploring emerging technologies such as artificial intelligence and blockchain
- Reading books on leadership, productivity, and software architecture
- Contributing to tech communities and engaging in knowledge sharing

PROJECT

05-2024 - *Present*
Personal Blockchain Project
Team size: 1

Designed and developed a blockchain-based application using Golang, focusing on building a secure and decentralized system to manage and store transactions. The project covers core blockchain components including:
- Transaction creation and validation using ECDSA cryptographic signatures
- Block structure, hashing (SHA256), and proof-of-work mechanism
- Peer-to-peer communication model for decentralized nodes
- Blockchain integrity verification and consensus handling
- Implemented networking with Echo framework, gRPC, and Mux
- Experience with data serialization, message broadcasting, and node discovery

Technologies: Golang, Echo, gRPC, SHA256, ECDSA, Mux, Git
Link: https://tuandh111.github.io/blockchain-nft/
Source: https://github.com/tuandh111/Blockchain

01-2024 - *Present*
Telegram Chatbot with NLP
Team size: 1

Developed an intelligent chatbot integrated with Telegram using the Telegram Bot API to facilitate real-time communication with users. The system employs Natural Language Processing (NLP) techniques to interpret user input and generate contextually appropriate responses. Key features include:
- Integrated external APIs to enrich chatbot responses with real-time data.
- Used Apache Solr for fast and efficient full-text search and information retrieval.
- Managed user sessions and conversation data using MySQL for structured storage.
- Focused on modular design for scalability and future integration with additional platforms.

Technologies: Java, Telegram API, NLP, Apache Solr, MySQL, RESTful APIs, Git
Source: https://github.com/tuandh111/Chatbot_java.git

05-2024 - *09-2024*
Dental Clinic Management
Team size: 1

The Dental Clinic Management System streamlines clinic operations, including patient management, appointmentscheduling, and treatment records. It enhances patient carewithcomprehensive records and supports appointment booking,treatment tracking, and reporting forefficient clinic management

Link: https://tuandh111.github.io/GraduationThesisFE/#!/

Source: BE: https://github.com/tuandh111/GraduationThesis
FE: https://github.com/tuandh111/GraduationThesisFE

HONORS & AWARDS

Certificate of Completion: Implemented a Docker deployment for a Spring Boot application
04-2024

Encouragement Award, Việt Hackathon Game Competition
10-2023

Consistently awarded "Excellent Student" title for 7 out of 7 semesters
05-2022 - 09-2024