Thang Tran
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SUMMARY:

- **10+ Yrs** experience working as Full-stack software developers, SDET and AWS services.
- **Frontend:** Javascript, Typescript, React, NextJS, CSS, Tailwind, HTML5.
- **Backend:** NodeJS, ExpressJS, NestJS, Java Spring Boot and Spring Core.
- **Database Abstraction:** Prisma, Drizzle, Mongoose, Spring Data JPA, Hibernate.
- **Databases:** PostgreSQL, SQLite, MySQL, MongoDB, Dynamo DB, ElasticSearch.
- **AI:** AWS Bedrock, AWS SageMaker, Cloudinary AI, OpenAI Dalle3, Llama 3
- **CI/CD:** Github Workflow, AWS CodePipeline, Jenkins, CircleCI, Gitlab.
- **AWS Cloud Services**: CDK, SDK, AWS Lambda, EC2, ECS, Fargate, Beanstalk, Cloudfront, S3, Sage Maker, Bedrock, VPC, Amplify, API Gateway, Appsync, Elastic Load Balancer, Open Search, AWS Cognito, CloudWatch, Dynamo DB, Aurora DB, EventBridge, AWS IAM.
- **Testing**: Jest, Mocha, Puppeteer, WebdriverIO, Cypress, Axios, Junit, TestNG, Postman, RestAssured.

PROFESSIONAL EXPERIENCE:

Nortal (2022-September to current) – Senior Software Developer

Description: Senior Developer Consultant, working with T-Mobile, Amazon as clients.

Responsibilities:
- Develop and maintain **TMobile** prepaid Microservices (Java Spring Boot), deploying in AWS.
- Tracking down **TMobile** microservices errors from Splunk for defect support triages.
- Fullstack developing Facility & Building Occupancy System at **Amazon**, which helps Amazon managers tracking building occupancy, contractors for all Amazon global buildings and facilities.
- Fullstack development of Security Modernization Projects at **Amazon**. This helps **Amazon** control millions of IoT devices, cameras, encoder servers, door readers, alarms across global Amazon facilities.
- Frontend stacks at **Amazon**: React, NextJS, AWS Cloudscape UI, Material UI, Tailwind.
- Backend stacks at **Amazon**: CDK infrastructure-as-code, SDK, AWS Lambda, Fargate ECS, Dynamo DB, Aurora PostgresSQL, AWS Data Lake, S3, Cloudfront, Express, NestJS, Amazon-internal Coral Java.
- Add monitoring tools with AWS Cloudwatch Alarms, Centralizing logs to AWS OpenSearch.

TechStacks: React, NextJS, NestJS, Java, Typescript and various AWS Services

Mastercard (2022-May to September) – Senior Software Developer in Test

Description: Working on development of File Transfer as a service, migration and integration of it on to Mastercard internal and external consumers.

Responsibilities:
- Design and develop File Transfer service in Java, along with migration pattern to use the new File Transfer service system.
- Develop consumer scripts for handling producing and consuming files in batch servers.
- Develop and maintenance of microservices API Automation for Mastercard Dispute Resolution System.
- Writing Spring Boot tests for producing and consuming file transfer at global servers.

Teckstacks: Java Spring Boot, Maven, MySQL, Shell scripting, RestAssured, Spring Data JPA.

Pason Systems (2022-Feb to 2022-May) - Software Developer in Test

Description:
- Worked on developing Web UI automation tests along with fixing and maintaining test pipelines for Oil and Gas Drilling Application.
- Responsible for automation and document test cases for Drilling Statistics and Drilling Configurations.

Environment/Tools: Java, Gradle, JUnit, Ubuntu, Selenium Webdriver, Allure Reports

Replicon Inc. (2014-Apr to 2022-Feb) – Fullstack Software Engineer

Projects:
- Participate in design and development of modern Time Billing and Timesheet app, which track hundred-thousands of timesheets weekly. This app is the company's main application, offering to thousands of clients, such as Facebook, KMPG, etc, for logging their employee timesheet and billing.
- Development of Project & Task Management application, which helps clients to manage their projects and employee task assignments.
- Development of Payroll Compliance module, which helps clients to comply with each jurisdiction's payroll and employment laws.
- Development of Invoicing module and Business Intelligent Dashboard, where clients can produce Invoices to their customers.
- Develop Java Automation using TestNG, Maven, Selenium Webdriver, RestAssured. Installing **Jenkin** server, and design test execution schedules.
- Design and develop Javascript automation frameworks, using Mocha, Chai, NodeJS, Puppeteer, Selenium webdriver.io, and test execution strategies using Docker and AWS EC2 virtual machines.
- Develop Deployment Platforms for company build-release cycle, which involve hundreds of applications, implementation on AWS CodePipeline, AWS CodeBuild.

Environment/Stacks:
- ReactJS, NextJs Page Router, JQuery, Bootstrap, ExpressJS, NestJS, Apollo Server, MongoDB, Postgres, Dynamo DB, Java Spring Boot, Selenium, Puppeteer, RabbitMQ, Docker.
- AWS Services: EC2, Elastic Beanstalk, AWS CodePipeline, CodeBuild, Jenkins, S3, CloudFormation, ECS, AWS Lambda.

Cisco System Inc. (2012-Apr to 2012-Aug) - Internship

Description: Work on In-Service-Software-Update feature of Cisco Router Operating System
Techstack: C++, Shell scripting.

EDUCATIONS and CERTIFICATES

Bachelor of Engineering, Hanoi University of Technology	Hanoi, Vietnam, 2004-2009

Master of Computer Science, McGill University	Montreal, Canada, 2011-2013

AWS Certified Solution Architect Associate	10/2023
AWS Certified Software Developer	09/2023

Cisco CCNA Certified	11/2011
Cisco CCIP Certified	02/2012