AUNG MOE

Fairfield, Iowa 52557 • +1-224-591-8650 • aungmoe.career@gmail.com
https://www.linkedin.com/in/aung-thu-moe/

FULL STACK JAVA DEVELOPER

Experienced Java developer with over 6 years of professional experience in designing, developing, and deploying scalable web applications across diverse domains such as FinTech, E-commerce, and Healthcare. Delivered robust Electronic Medication Record, Point of Sale and e-commerce solution using Java, Spring Boot, Hibernate, React and AWS cloud services (EC2, ECS, S3). Proficient in modern deployment processes on AWS, leveraging Terraform and Ansible for seamless infrastructure management in Agile environments.

• Object-Oriented Design • SOLID • Microservices Architecture • CI/CD • TDD • DevOps & Infrastructure as Code
• Performance Optimization • Application Security • Troubleshooting & Debugging • Cross-Functional Collaboration

Languages: Java, JavaScript, Typescript
Web: HTML5, CSS3
Web Services: REST, WebSocket, JMS
Web/App Servers: Apache, Tomcat, Nginx
Frameworks: Spring, Spring Boot, Nest.js, Express.js, Next.js
Databases: MySQL, PostgreSQL, Redis
Design Patterns: Singleton, Observer, Factory, Adapter, Decorator, Chain of Responsibility, Template, Iterator, Comparator, Factory, DI
SDLC: Agile, Scrum
Tools: Maven, Ansible, Terraform, Kafka, RabbitMQ, AWS (Cloud Formation, EC2, ECS, EKS, S3, Lambda, SQS, RDS, Elastic Beanstalk, Elastic Cache), Git, GitLab, GitHub, Bitbucket, Buddy Pipeline, Travis CI, Prisma
Platforms: Linux

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

BRAINMATES COMPANY LIMITED, Sydney, Australia • 11/2022 – 07/2024
Brainmates helps organizations leverage product management to drive business value with products customers love.

Lead Full-Stack Engineer (Remote)
Built web-based product assessment service.
- Developed and maintained Lead Capture App (LCApp) utilizing NestJS, Typescript, Prisma, ReactJS, MySQL, and PostgreSQL, enhancing sponsor client acquisition and streamlining data efficiency.
- Engineered a web-based Product Capability Assessment (PCA) system using Spring Boot, ReactJS, MySQL, and Redis with Stripe, streamlining subscription management and accelerating delivery timelines.
- Architected auto-scaling solutions with AWS EC2, Elastic Beanstalk, Terraform, and Ansible, reducing deployment time, operational overhead, and enhancing scalability.
- Received the "Original Creator" award for consistent contributions to software development and project leadership.

Technologies Used: *Typescript, NestJS, React JS, Java, Spring Boot, MySQL, PostgreSQL, Redis, Prisma, EC2, Elastic Beanstalk, Terraform, Ansible.*

XENDIT COMPANY LIMITED, Jakarta, Indonesia • 06/2022 – 10/2022
Leading fintech company providing payment solutions and simplifying payment.

Technical Lead (Remote)
Developed Loan Management Service.
- Built modular back-end APIs using Node.js, Express.js, TypeScript, and TypeORM to handle loan origination and repayment workflows.
- Utilized Kafka and RabbitMQ to enable asynchronous communication across microservices, improving system scalability and fault tolerance.
- Developed and optimized user-facing loan application modules in React, Redux, and Next.js, achieving a 20% reduction in page load times.

- Conducted peer code reviews and integrated best practices (linting, unit testing, integration testing) to enhance overall code quality.
- Established CI/CD workflows, reducing manual deployment effort by 50% and accelerating feature release cycles.

Technologies Used: *React, Redux, NextJS, NodeJS, ExpressJS, Typescript, TypeORM, PostgreSQL, Redis, Kafka, RabbitMQ.*

HIVE INNOVATION COMPANY LIMITED, Yangon, Myanmar • 11/2020 – 05/2022

Hive Innovation is a tech company that focuses on creating consumer-centric web and mobile applications.

Senior Software Engineer

Built web-based E-commerce service.
- Designed and deployed scalable cloud architecture on AWS, utilizing Elastic Beanstalk, ECS, S3, and CloudFront, with CI/CD pipelines using Bitbucket and Docker.
- Led a high-performance team, promoting DevOps and Agile, delivering three cloud-based web solutions to enhance enterprise operations and customer experience.
- Implemented real-time order management using Firebase Cloud Notifications, enabling instant order updates and delivery tracking for mobile users.
- Integrated digital wallets including KPay, CBPay, Visa, and MasterCard for secure and seamless transactions.

Technologies Used: *PHP, Laravel, JavaScript, React, Firebase Realtime Database, Firebase Cloud Messaging, Redis, Elastic Beanstalk, S3, CloudFront, CloudWatch, ECS, ECR, Algolia API.*

ACHROMEX COMPANY LIMITED, Yangon, Myanmar • 05/2018 – 10/2020

Specialized in developing cloud-based web solutions for startups, small, and large businesses.

Software Engineer

Provided outsourced web application development services, offering end-to-end technical solutions tailored to clients' business requirements.
- Launched an on-demand waterless car wash platform, developing a full-stack booking platform with React, Spring Boot, and Firebase Cloud Messaging for real-time appointment notifications, ensuring seamless scheduling.
- Developed a web-based operational management tool, leveraging Redux for state management and Spring Framework to enhance workflow automation, improving UI/UX based on user feedback.
- Integrated a web-based booking application into Facebook Messenger, utilizing the Facebook Messenger API and React-based UI, enabling effortless appointment scheduling via chat.
- Built an electronic medical record system, implementing structured data storage with MySQL, Redis for caching, and Spring Boot to support evidence-based treatment decisions.
- Designed a web-based point-of-sale (POS) system, incorporating real-time data synchronization with Firebase, transaction processing with MySQL, and a React-powered frontend for intuitive user interaction.

Technologies Used: *Java, Spring Boot, React, JavaScript, Facebook Messenger API, Google Firebase, MySQL, Redis, Git, GitLab.*

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2027)
Maharishi International University, Fairfield, Iowa

Key Courses: Cloud Computing, Web Application Architecture, Enterprise Application, Algorithm

B.Sc. in Computer Science (Hons)
Classification: First-class Honors
University of Surrey, Surrey, England (06/2016)

AWARDS & CERTIFICATIONS

"Original Creator" Award, Brainmates (2023)
AI for Healthcare Certification, NUS Yong Loo Lin School of Medicine (2023)