Htin Linn Aung
Software Engineer

www.linkedin.com/in/htinlinnaung
https://github.com/htinlinnag1993
htinlinnag1993@gmail.com / htinlinnaung.com

SUMMARY

I am a language/framework-agnostic fullstack software engineer with 5+ years of diverse experience in distributed systems, API & UI engineering, SQL & NoSQL database systems, testing & CI/CD. I have a passion for data-driven products, human-centered designs, collaborative teams & DEIB. I build tools, systems, teams & communities. Connecting dots & bringing people together have always been my strongest suits. I thrive by always trying to understand/help others, soaking in feedback & communicating with empathy.

EXPERIENCE

Google | *Software Engineer (Fullstack)*   Nov 2021 - Jan 2023

- Developed highly reliable/available backend services on large scale distributed systems for Google Classroom (over 150 million users) using Java, Python, RPC, Boq, Spanner & in-house tools
- Engineered data fetching mechanisms, state management, validation, routing, authentication & error handling solutions for Google Classroom UIs using RPC, Wiz, Soy, Java & design patterns
- Configured/architected scalable distributed server nodes & experiments for new features
- Designed unit tests, screenshot tests, regression tests and end-to-end integration/functional tests with record/replay mode for microservices and dependencies for critical user journeys
- Introduced & led a new multi-platform impression logging system integration for user behavior tracking analytics & built a pipeline for data engineers/scientists to get insights on new features
- Automated monitoring, reporting & bugs auto-assigning processes for on-call rotation duty
- Wrote design docs & documentation for features & conducted code reviews on daily basis

Lunchbox Technologies Inc | *Software Engineer 2 (Fullstack)*   Jul 2020 - Aug 2021

- Helped scale the company from 20 employees to 200 in a year by interviewing candidates, mentoring engineers & conducting code reviews for maintainable, scalable codes on daily-basis
- Collaborated with engineers & product teams to develop cross-platform features/configs
- Led initiatives for automating documentation & achieved 80% documentation coverage
- Improved workflows & doubled the release rate by setting up CI/CD with CircleCI/GitHub actions
- Eliminated 75% runtime errors & ensured quality standards by migrating to TypeScript, implementing unit tests (in Jest & React-Testing-Library) & integrating Cypress end-to-end tests
- Built dashboards using React, Axios, Formik, Context API, YupJS, Framer Motion, Nivo & Figma
- Maintained RESTful backend APIs using NodeJS, Express, MongoDB, Joi, AWS & integrations

Mphasis | *Software Engineer (Fullstack)*   Jul 2019 - Jul 2020

- Built financial & logistic systems for clients using Java, Spring, NodeJS, ExpressJS, Hibernate, Sequelize, Oracle, MySQL, MongoDB, HTML5, CSS3, Angular 4, React, Redux, Jest, Git & APIs
- Collaborated with stakeholders & teams to define product requirements & specifications

OPEN SOURCE & PUBLIC TALKS

Mosaic Microservice Dev Tool | *Lead Software Engineer (Fullstack)*   Nov 2020 - Aug 2021

- Led a team of 4 engineers as a scrum master & developed a dev tool under tech accelerator OS Labs (opensourcelabs.io) by implementing backend API & SSO using NodeJS, MongoDB, React & D3
- Engineered microservice catalog & mapper to provide dependency insights into microservices by automating dependency map visualization for event-driven microservice architecture using D3

Grokking System Design Interviews using Microservices & Events | *Speaker*   Aug 2021

- Presented a case-study on Amazon microservice architecture at SingleSprout Speaker Series
- Researched & experimented with design patterns in microservices & event-driven architecture

SKILLS

Web
JavaScript, TypeScript, React, Redux, D3, Formik, Axios, HTML5, CSS3, Sass/SCSS, NodeJS, Express, Sequelize, GraphQL, Apollo, Java, Spring, Boq, Hibernate, Python, Flask, SQLAlchemy

Database
MongoDB, PostgreSQL, Redis, Spanner

Testing & CI/CD
Jest, React-Testing-Library, Cypress, JUnit, GitHub Actions, CircleCI

Cloud & DevOps
AWS, Google Cloud, Netlify, Heroku

Authorization/Authentication
OAuth, JWT, Cookies, Sessions, BCrypt

Tools
Git, NPM, Yarn, Docker, Stripe, JIRA, WebPack, Miro, Slack, Notion, Figma

Data
Python, Pandas, Matplotlib, NumPy

Architectures/Concepts
RPC, REST, Microservices, Caching, Distributed Systems, Logging, Reporting/Monitoring, Containerization

EDUCATION

B.S. in Computer Science   May 2019
(Queens College)
A.S. in Electrical Engineering   Jun 2017
(Laguardia Community College)

AWARDS & SCHOLARSHIPS

IBM Vault Winner
NYC Tech Talent Pipeline Residency
Capital One Tech Seed Capital
Global UGRAD Scholar

HOBBIES

Rock climbing | Gaming | Drawing | Cooking & Mixology | Father of a Samoyed & a Jindo-Spitz mix rescues