Sengdao Inthavong

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Skills

Frontend, UI & UX: React, JavaScript, HTML5, CSS3, Tailwind CSS, Figma, Responsive Design, Accessibility
Backend: Java, Spring Boot, Node.js, Python, REST APIs, GraphQL, Layered Architecture (Service-Repository)
Databases, Tools & DevOps: PostgreSQL, SQL, Liquibase, Git, Jenkins, Docker, CI/CD, Jira, Agile
Cloud & Infrastructure: AWS Certified Cloud Practitioner, AWS (EKS, Lambda, S3, RDS), Terraform

Experience

Software Engineer, JPMorganChase – Chicago, IL   Aug 2024 – Present
- Modernizing legacy banking workflows by developing full-stack features with React and Java for a platform used by 100+ corporate clients, streamlining manual processes through automated data entry and operations
- Delivered core frontend reusable components and user flows in production with the Salt design system, ensuring quality through comprehensive unit, integration, and end-to-end testing achieving over 70% code coverage
- Designated by the outgoing UI lead as frontend point of contact, supporting teammates with system-level guidance on reusable components and logic, and unblocking blockers through live debugging and reviews
- Built and extended backend APIs with Spring Boot, applying Controller-Service-Repository layered architecture and Liquibase to deliver versioned, reliable database migrations supporting relational integrity

Software Engineer Intern, JPMorganChase – Chicago, IL   Jun 2023 – Aug 2023
- Orchestrated a full-stack proof-of-concept with React and AWS (Terraform, Lambda, API Gateway, EventBridge) to simulate scalable, event-driven workflows; later adopted by internal engineering team for further validation

Software Engineer Intern, Optum – Schaumburg, IL   Jun 2022 – Aug 2022
- Led an Azure proof of concept using emerging cloud services to build scalable, cost-efficient data pipelines for healthcare records, and built an interactive Power BI dashboard to deliver real-time, actionable insights

Research Assistant, Tech Innovations for Inclusive Learning & Teaching Lab – Evanston, IL Jun 2021 – Jun 2022
- Developed interactive visualizations interpreting classroom audio data, tracking speaker activity, sentiment, and transcripts, to assist educators in monitoring discussions while navigating student privacy concerns

Projects

No-Code Smart Contracts Tool   github.com/ahkim3/google-hackathon-23
- Built user interface using Google AppSheet and Solidity to empower non-developers to deploy Ethereum contracts; awarded 2nd runner-up and $2,000 prize at Hack with Google: Workspace and AppSheet 2023

Chess Opening Hierarchy - Data Visualization   doi.org/10.21985/n2-ttqd-s984
- Created an interactive D3.js visualization of chess openings by player rating, revealing strategy trends across ratings; won Best Undergraduate Visualization and $200 prize at 2022 Northwestern Data Visualization Contest

Exploding Chickens - Multiplayer Card Game Web App   bit.ly/exploding-chickens
- Designed responsive UI components with TailwindCSS to improve gameplay clarity and flow; implemented backend logic for turn-based mechanics, supporting 1,900+ games and 4,600+ player eliminations

Sleepcat - A Sleep Tracker App Wireframe   bit.ly/sleepcat-app
- Crafted and prototyped a gamified sleep tracker app wireframe in Figma, driven by personal experience to increase user motivation for healthier sleep habits through visual rewards and intuitive, engaging UX features

Education

Northwestern University – M.S. in Computer Science - GPA: 4.00/4.00   Sep 2023 - Jun 2024
Northwestern University – B.S. in Computer Science - GPA: 3.75/4.00   Sep 2020 - Jun 2023