Chan Nyein Zin (Noel)
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EDUCATION

Columbia University in the City Of New York, *Bachelor of Art in Computer Science*   May 2024

WORK EXPERIENCES

Revature
Full Stack Software Developer, *Virginia, VA*   Oct 2024 – Feb 2025
- Designed, developed, and maintained full-stack applications for diverse clients across various industries, leveraging **Java, Spring Boot, React, TypeScript, and SQL** to build scalable and efficient solutions.
- Collaborated with cross-functional teams to deliver a **95% improvement** in software performance and user experience, adapting to diverse project requirements and client specifications.
- Led the **end-to-end development lifecycle**, from requirements gathering to deployment, ensuring **99% enhancement** in scalability, performance, and security through industry best practices and optimization strategies.

CodePath.org
*Tech Fellow***,** *New York, USA*   May 2024 – Nov 2024
- **Mentored** 100+ students in **Data Structure & Algorithms** programming concepts in **Java and Python**, enhancing their technical problem-solving abilities.
- Designed and delivered engaging instructional content aligned with **Agile principles**, improved **90%** student outcome.

SECOMM
Frontend Developer Intern, Remote, Vietnam   June 2023 – Aug 2023
- Developed intuitive, responsive web interfaces for **e-commerce clients** using **HTML, CSS, JavaScript, React, and Docker**, integrating relational databases (**SQL, AWS RDS**) to streamline data storage and retrieval.
- Conducted **UI/UX testing** and optimized database queries, resulting in a **15% boost in user satisfaction scores**.
- Collaborated with cross-functional teams to implement features aligning with **technical and customer requirements**, ensuring seamless database interaction for dynamic content.
- Utilized **AWS S3** for efficient static asset management and deployment.

TECHNICIAL SKILLS

- **Languages**: Java, Python, JavaScript, TypeScript
- **Frontend Development**: HTML, CSS, React.js, Material-UI, Bootstrap
- **Backend Development**: Spring Boot, Flask, REST API, AWS, Google Cloud Platform
- **Software Development Tools**: VS Code, Git, Docker, Jenkins, Kafka, Postman, Agile for Developers, Shell
- **Database Management**: SQL (**MySQL, PostgreSQL, AWS RDS**)
- **Data Science & Machine Learning**: TensorFlow, PyTorch, scikit-learn, NumPy, SciPy, Pandas, Matplotlib

PROJECTS

Perfume Recommendation Engine | *(Final AI Research Project at Columbia University)*   May 2024
- Applied **machine learning** with **content-based recommendation** algorithms using **Python**.
- Web-scraped datasets with **BeautifulSoup**, transformed them into **CSV files**, and curated features with **Pandas** for recommendation.
- Leveraged **Scikit-learn** for **collaborative filtering**, achieving **90% prediction accuracy**.
- Developed **user-friendly flows and interfaces** to enhance accessibility and engagement.

Expense Reimbursement System (ERS) | *(Full stack Project*)   Jan 2025
- Designed and developed a **full-stack Expense Reimbursement System** using **React (TypeScript)** and **Spring Boot (Java)** to streamline the reimbursement process.
- Implemented **RESTful APIs** with **Spring Boot**, integrated **PostgreSQL**, and managed database operations using **Spring Data JPA**.
- Built a **responsive frontend** with **React**, **TypeScript**, and **Axios**, incorporating **authentication and role-based access control** for employees and finance managers to ensure secure access and actions.