Andrew Tran-Shi

415-235-7009 | me@AndrewTran-Shi.dev | LinkedIn/in/andrew-tran-shi | GitHub | Portfolio

TECHNICAL SKILLS

- **Backend Development:** Java, Spring Boot, REST APIs, Spring Security, Spring Data JPA, Hibernate, JUnit, Mockito for unit testing and test-driven development (TDD).
- **Frontend Development:** React, Next.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Shadcn UI, Radix UI, DaisyUI for modern and responsive UI design.
- **Database Management:** SQL, MySQL, PostgreSQL, MongoDB, database schema design, optimization, and query performance tuning.
- **Cloud & DevOps:** AWS EC2, S3, Docker, Jenkins, Kubernetes for containerization, continuous integration and deployment (CI/CD), and cloud-based application deployment.
- **Version Control & Collaboration:** Git, GitHub, and GitLab for version control, branching strategies, and collaborative development.
- **Testing & Debugging:** JUnit, Mockito for unit testing, integration testing, and debugging; Postman for API testing.
- **System Administration:** Linux, Windows Server, IP addressing (IPv4/IPv6), data integrity management, backup procedures, disaster recovery.
- **Security & Compliance:** OAuth2, JWT, encryption techniques, HIPAA standards for secure data management.

CERTIFICATIONS

AWS Certified Cloud Practitioner
Validity: December 2023 - December 2026

Demonstrated expertise in AWS Cloud fundamentals, including architecture, security, and services.

WORK EXPERIENCE

Full Stack Developer | Revature

August 2024 - Present

- Engineered scalable and resilient web applications using **Java, Spring Boot**, and **React** for end-to-end development, enabling efficient order and inventory management.
- Designed and implemented **RESTful APIs** to support seamless data flow and system integration across front-end and back-end systems.
- Utilized **PostgreSQL** for data management, ensuring high data integrity and optimal performance in production environments.
- Optimized **CI/CD pipelines** with **Docker, Jenkins, and AWS** to ensure smooth deployments and rapid iteration of applications.
- Collaborated cross-functionally with backend, frontend, and DevOps teams to improve system scalability and reliability**.**

Patient Treatment Coordinator & IT Support
Union Square Dental Group

October 2016 - May 2024

- Led the configuration and maintenance of network hardware and IP-based telecommunication systems, supporting clinic operations.
- Developed an automated **HIPAA-compliant patient information system**, reducing administrative workload by 70%.
- Managed IT troubleshooting, ensuring the smooth operation of software and hardware systems, and executed regular data backups for secure operations.

Education

Coding Dojo
Full-Stack Developer Certificate

August 2023

- Completed intensive 4-month boot camp focused on **Python**, **Java**, and the **MERN stack** (MongoDB, Express.js, React, Node.js).
- Committed over 1000 hours to full-stack development training, excelling in application development, testing, debugging, and deployment.

University of California - Davis
Bachelor of Science in Psychology

August 2016

- Focused on cognitive and developmental psychology coursework, which developed strong problem-solving and user-centered design skills.