Vincent Hung

Full-Stack Software Engineer | AWS Certified Cloud Practitioner

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TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, C/C++, C#, SQL, COBOL
Cloud & DevOps: AWS(Lambda, DynamoD, S3), Docker, Git, CI/D, Linux
Web Frameworks: React, React Native, Next.js, Node.js, Tailwind CSS, Material UI

PROFESSIONAL EXPERIENCE

Michelin System Developer   **Aug 2025 - Dec 2025**
Michelin

- Built an internal COBOL-to-Java migration software for legacy mainframe systems modernization
- Translated business logic from **5,000+** COBOL programs (1,000+ rules, 100K+ LOC), achieving ~**80%** functional parity in generated Java services
- Designed a modular, context-aware conversion architecture enabling secure local **LLM** conversion under strict context token limits
- Implemented a **RAG**-based automation with AWS Transform artifacts and LLMs with version control, reducing hallucinations under partial-system visibility

Zonal Architecture Testbed Research Assistant   **Aug 2025 - Dec 2025**
Clemson Creative Inquiry

- Developed a dashboard interface using Material UI to control distributed ECU communication behavior
- Engineered a visualization dashboard integrating **Grafana APIs**, providing granular visibility into backend communication protocols to identify system bottlenecks
- Collaborated with PhD researchers to implement software systems for next-generation in-vehicle communication protocols

Information Technology Intern   **May 2024 - Aug 2024**
First Quality

- Resolved **400+** incidents by collaborating with cross-functional teams to turn reports into actionable fixes
- Performed root-cause analysis on production incidents involving network, hardware, and system-level failures
- Designed and deployed network infrastructure upgrade, improving system reliability and reducing downtime

PROJECTS

Serverless Synchronized Game System   **Jul 2025 - Aug 2025**

- Designed real-time distributed systems using WebSockets, AWS Lambda, and DynamoDB
- Implemented state management, concurrency handling, and backend APIs for turn-based multiplayer logic
- Built CI/CD pipelines using GitHub Actions to automate testing and serverless deployments, enabling rapid iteration on serverless infrastructure

Collaborative Agile Task Management Tool   **May 2025 - Jun 2025**

- Developed a full-stack SaaS application using React, TypeScript, and Firebase
- Designed and implemented RESTful APIs, authentication, and role-based access control (RBAC)
- Applied responsive design, accessibility best practices, and component-based architecture

Linux ML-based Log Analyzer   **Mar 2024 - May 2024**

- Developed a real-time Linux log monitoring tool that parses Linux system logs to detect events
- Integrated machine learning pipeline (Random Forest Classifier) to automatically classify severity levels
- Built a Jupyter interactive dashboard to visualize trends, severity level, and anomalies to increase system awareness

EDUCATION

Clemson University   **Aug 2021 - May 2026**
B.S. in Computer Science | Minor in Cybersecurity | GPA: 3.6/4.00 | Dean's List (8 semesters)