Davy Huang

davyhuang0@gmail.com   github.com/Davy-Huang   DavyHuang.com

Professional Summary

Results-driven Senior Software Engineer with 8+ years of experience in full-stack development, backend APIs, and large-scale system deployments. Proven track record in optimizing legacy systems, ensuring regulatory compliance, and leading cross-functional collaboration. Skilled in C++, Kotlin, SQL, and cloud technologies (AWS, Azure).

Technical Skills

Languages: C++, C, SQL, Kotlin, Python, JS
Development tools: Git, AWS SES, AWS Lambda, Azure, Postman, Node JS, Gitlab, Teamcity

Work Experience

Veson Nautical   **June 2019 – Present**
Senior Engineer

Developed application software for a Maritime Shipping Platform. Supported web and on-prem workflows that allowed clients to manage over 100 billion dollars in freight contracts.
- Within deadlines for client commitments and government regulations, delivered API endpoints that allowed data input, back-end driven calculations, and data reporting.
- Refactored and modernized legacy C++ to reduce load time on emissions reporting by 82%.

Lead the design of CO_2 Tracking and Pricing modules allowing clients to perform large scale data analysis and visualization on European Union fuel compliance requirements.
- Navigated ambiguous and developing industry standards to deliver usable and standardized front end tools to track and project future emission penalties.
- Collaborated with cross functional teams to convert client feedback into clear and actionable technical specifications for the development team.
- Deployed features while minimizing downtime and ensuring data integrity in production.

Mentored junior developers and fostered knowledge transfer and continuous improvement.

Boston Scientific   **May 2017 – June 2019**
Software Engineer

Developed and maintained software to aggregate cardiac and electrophysiology data during live surgical operations.
- Implemented real-time data processing via breadth-first search in C++, ensuring accurate signal detection and analysis.
- Maintained high-performance multithreaded applications compliant with HIPAA and FDA standards.
- Incorporated FDA regulatory and user accessibility requirements into front end features.

Projects

Media Recommendation Platform   **2025**
- Designed and deployed a service for sending, receiving, and managing media recommendations.
- Built RESTful backend APIs in Kotlin with PostgreSQL database integration.
- Developed responsive frontends using JavaScript, allowing users to view, filter, delete and shuffle their media recommendations.

Computer Vision based Door Opener   **2017**
- Built a computer vision model in C++ to detect door knobs and levers.

Education

Boston University
B.S. in Computer Engineering - 3.5 Cum Laude   2017
B.S. in Biomedical Engineering - 3.5 Cum Laude   2017
Coursera
Agile Development and Scrum Certificate   2024