Jacob James Wallace

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TECH STACK

Languages	Python, C++, C#, TypeScript, JavaScript, GDScript, HTML, CSS
Frameworks	React, React Native (Expo), Electron, Cordova, PyQt, Qt
AI Model Tooling	PyTorch, Tensorflow, Ollama, Huggingface, OpenVINO, QNN, CUDA, MCP, fast-agent
DevSecOps	Git/GitHub, CI/CD pipelines, CLI, Bash, PowerShell, AWS, ADO, Prisma, SonarQube
Infrastructure	pip, uv, PyInstaller, CMake, Deno, Node, npm, Webpack, Vite, .NET Core, NuGet
Vision & Engines	Three.js, Matplotlib, Godot, Unity, Magic Leap SDK

EXPERIENCE

06/24 - 05/25

AI DevSecOps & MLOps Engineering Lead
Commercial Advisory + Consulting Cyber Security Practice - Cyber Innovations Portfolio (Cyber AI Internal Account - Direct Report to Cyber AI COO)
Deloitte, San Francisco, CA

- Hands-on technical lead driving a cross-functional team of engineers and technologists across DevSecOps, MLOps, LLMOps, full stack, QA, test automation, project delivery, and compliance disciplines.
- Design, code, test, and deliver the full asset development lifecycle from ideation through business and technical design, team formation and staffing, prototype development, QA and beta testing, and client piloting—culminating in compliance, production, and operational handoff.
- Serve as the operational bridge between visionary product ideation and real-world deployment—ensuring each use case is engineered with security, scalability, and precision from day zero.
- Partner closely with the COO to align engineering execution with strategic priorities, accelerating Cyber AI's product innovation pipeline.

01/24 - 06/24

AI & ML On-Device Technical Lead
Deloitte US Strategy - Hybrid AI Innovations Portfolio (Dell, Meta, Intel, & Qualcomm Accounts - Direct Report to Dell, Meta, Intel, Qualcomm & Hybrid AI Strategy Partners)
Deloitte, Austin, TX

- Tech used: Python, TypeScript, VS Code, VS Code Plugin Extensions Development Framework, Ollama, Huggingface, Intel's OpenVINO, Qualcomm Neural Network
- Led application engineering, architectural design, and AI development for Dell with the Hybrid AI group under Deloitte US Strategy. Spearheaded the creation of "Neuron," a Copilot-like coding assistant that leverages on-device AI to provide code suggestions while ensuring complete privacy over the AI-scanned codebase.
- Delivered key innovations that enhanced developer productivity and maintained strict data security protocols.
- Technical lead over a Deloitte US Strategy platform known as "Celium" supporting the Intel account which was used to fine tune and optimize on-device AI processes on top of Intel & its competitors' CPU, GPU, & NPU chip architectures.
- Celium explored open source and commercially available black box technologies to discover the best configuration for on-device AI processing. Some model platforms and frameworks that were used as part of the platform were Intel's OpenVINO, Huggingface, Ollama, as well as Qualcomm's QNN.

10/21 - 01/24	**Software Architect & DevSecOps Engineering Lead**
	GPS Digital Health Practice (Military Health System Account - Direct Report to Digital Health's Managing Director Physician)
	Deloitte, Washington, D.C.

- Tech used: TypeScript, Deno, Node.js, React, React Native, Wickr SDK, AWS Console, AWS CodeCommit, AWS CodePipeline, AWS CodeDeploy
- Technical lead, developer & architect of METCC-P medic bots built atop AWS Wickr, an NSA approved end-to-end encrypted VOIP Communication system.
- This team helped to pioneer the US Military to transition from antiquated communication systems to modern communication protocols.
- Responsible for traveling to various U.S. military bases across the country to conduct in-person training sessions. These sessions were designed to simulate active combat scenarios, focusing on the NETCCN / METCC-P medic bot communication system, and were attended by large groups of military personnel.

08/21 - 12/21	**Software Engineering Lead**
	Application Modernization & Innovation Practice (Navy, Army, Airforce, & Spaceforce Accounts - Direct Report to JAIMI's Director of Product)
	Deloitte, Washington, D.C.

- Led engineering efforts as part of the JAIMI Cross-Military CRM project categorizing weapon systems data across all US Alliances stored in NIPR and SIPR secret security clearance networks.

01/21 - 07/21	**Mid-Level Application Security Engineer**
	T-Cetra, Dublin, OH

- Assisted in upgrading existing systems by making them more modular, extendable, efficient, and secure as a member of the Refactoring Team.
- Implemented third-party APIs to outsource credit card security to TokenEx by tokenizing existing and newly added credit card data.

10/17 - 01/21	**Application Security Engineer**
	Reynolds & Reynolds, Houston, TX

- Ensured integrity and security of software for the Support and Admin applications of Hosted Web Application Platform team (HWAP).
- Created cross-application logging for developer support and permission items for global platform security.

EDUCATION

2017	**Coding Boot Camp**	The University of Texas
	Full Stack Web Dev Certification	Austin, TX
2016	**B.A. Economics**	The University of Texas
	Minor: Business Foundations	Austin, TX

PUBLICATIONS

06/24	The Wall Street Journal – The World of Hybrid AI
08/24	Dell Technologies – The Transformative Value of AI PCs

REFERENCES PROVIDED UPON REQUEST