SHLOMO DAHAN

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EDUCATION

University of Pennsylvania — Philadelphia, PA
Master of Computer & Information Technology, Computer Science — *Jan. 2023 – Dec. 2024*

University of Miami — Coral Gables, FL
Bachelor of Business Administration in Finance, Minor in Accounting — *Aug. 2015 – Dec. 2018*

EXPERIENCE

The Linux Foundation - Jenkins CSP Project — Remote
Software Engineer Contractor — *Sep. 2024 – Present*
- Led efforts in implementing Content Security Policy (CSP) across Jenkins core and top plugins, securing the platform against XSS vulnerabilities as part of the Alpha Omega initiative.
- Modernized Jenkins' legacy codebase by systematically addressing CSP non-compliance issues, including inline scripts, legacy validations, and unsafe event handlers.
- Conducted in-depth code audits and refactoring, collaborating with the Jenkins core team to ensure seamless integration and maintain backward compatibility.
- Adopted and modernized plugins, enhancing default functionality and aligning them with updated security and performance standards.
- Contributed to open-source security by enforcing modern security standards and enhancing Jenkins' resilience against injection attacks.
- **Key Project**: CSP Project Blog

Google Summer of Code — Remote
Jenkins — *May 2024 – Sep 2024*
- Implemented a comprehensive user interface for Jenkins Infra Statistics, enhancing user experience and data accessibility.
- Developed and integrated UI components using React, TypeScript, and Material-UI, ensuring a seamless and responsive design.
- Collaborated with the Jenkins community and mentors to align the project with the organization's goals and standards.
- Utilized Git for version control and GitHub for project management and issue tracking.
- **Project Details**: GSoC 2024 Jenkins Infra Statistics | **GitHub Repository**: jenkins-infra/stats.jenkins.io

J.P. Morgan Chase & Co — Miami, FL
Private Banking Analyst — *June 2018 – July 2022*
- Collaborated with private bankers to manage UHNW client portfolios, driving comprehensive analysis and strategic growth initiatives.
- Enhanced client relationships through targeted financial solutions and market research, supporting portfolio expansion and retention.

PROJECTS

Algorithm Visualizers | *React, TypeScript, Next.js, TailwindCSS* — *Feb 2024 – Mar 2024*
- Built interactive web platform visualizing sorting algorithms (Merge, Quick, Bubble) and pathfinding (A*, Dijkstra's, BFS).
- Implemented responsive grid-based UI with real-time animation and algorithm efficiency comparisons.

VeriCreds | *React, Next.js, Flask, PyMongo* — *Apr 2023 – Aug 2023*
- Built full-stack Web3 document management platform with blockchain integration and IPFS-based storage.
- Engineered authentication system and frontend interfaces for secure document sharing and access control.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS
Frameworks/Platforms: React, Next.js, Vite, MUI, Flask, JUnit, Tailwind CSS, Redux, NS3, PyTorch
Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ, Eclipse, Google Colab, Postman
Libraries: Pandas, NumPy, Matplotlib, Scikit-image, Axios
Spoken Languages: Spanish (Fluent), French (Working Proficiency)