

アラン ワース
Allan Wirth

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Security Researcher · Systems Architect · Software Developer

Experience

Aug '21 – Present	<p>Woven by Toyota – <i>Tokyo, Japan</i> Application Security Engineer → Senior Application Security Engineer</p> <p>Collaborating with product teams to integrate security into the development process, including providing advice and reviews of both designs and implementations.</p> <p>Leading building an application inventory with the features and data required to support programs like Vulnerability Management, Security Scorecards and Product SIRT.</p> <p>Formalized the services offered by the Application Security team and the processes for delivering them to ensure consistent quality and reduce friction for developers.</p>
Dec '19 – July '21	<p>Amazon – <i>Tokyo, Japan</i> Software Development Engineer – Search Resilience</p> <p>Designed, developed and deployed systems for automated chaos testing in production of the search engine for Amazon's consumer websites using AWS.</p> <p>Served as a "Security Certifier" reviewing the security of applications handling critical data before release to production.</p>
May '15 – Jun '19 Summer '14	<p>Akamai – <i>Cambridge, Massachusetts</i> Security Researcher → Senior Security Researcher → Architect InfoSec Intern</p> <p>Advised product, developer and executive teams on security risks from the architectural level to the implementation level. Participated in design reviews of new cloud products and systems.</p> <p>Embedded into development teams to provide implementation expertise and guidance for particularly sensitive pieces of code, including Linux sandboxing and Web APIs.</p> <p>Designed, implemented and shipped internal tools to address unique security challenges, including various forms of program analysis.</p> <p>Led and advised security incident response teams. Triageed and managed remediation and communication for security issues reported by external researchers.</p>
Class of '17	<p>Boston University – <i>Boston, Massachusetts</i> M.S. and B.A. in Computer Science</p> <p>Graduate coursework included Cryptography, Operating Systems, Compilers and Network Security.</p>
Summer '13	<p>Microsoft – <i>Redmond, Washington</i> Software Development Engineering Intern</p> <p>Developed static and dynamic program analyses for automatic screening of third-party software via modifications to the native Windows JavaScript runtime.</p>

Qualifications

- Professional experience developing Python, C#, PHP, C++, JavaScript, Kotlin and Go.
- HackerOne Clear Bug Bounty Hunter.
- Japanese Language Proficiency Test level N3 (July '21)
- Amazon Web Services Certified Security Specialist (June '20)
- Citizen of the United States of America and Permanent Resident of Japan.