

Michael Bailey

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EXPERIENCE

DevOps Engineer

February 2021 to December 2021

Senior Security Automation Engineer

December 2021 to Present

Unit 42 at Palo Alto Networks | Consulting Research Engineering

- Enabled consulting solutions development, leveraging infrastructure and resources under a product enterprise. Published security research under both the Unit 42 and Palo Alto Networks brands.
- Developed key case management and analysis solutions using React, Python, and other technologies. Managed DevOps and SRE tasks with Ansible, AWS, GCP, and Gitlab CI/CD for these systems.

Technical Intern

May 2016 - March 2018

Junior Security Engineer

March 2018 - January 2020

Security Engineer

September 2020 - February 2021

Consultant

January 2020 - September 2020

The Crypsis Group (acquired by Palo Alto Networks)

- One of the first ~10 Crypsis employees. Key personnel to projects like "Crypsaurus, "Hadron" and many others in Ruby and Python, design concepts used in Palo's Cortex XDR Forensics. Created R&D efforts, including one where service outputs given client access were sold verbatim in a service line that produced millions in fixed fees.
- Led IT and security operations for Crypsis' AWS organization. Helped Crypsis achieve SOC 2 Type 1 certification as their sole security hire, supported detailed client-vendor audits, and contributed to data privacy and insider risk management during our acquisition period.

Security Research Consultant

2014

Metier Defense Solutions | Sterling, VA

- Worked in Android security research at a fast paced, sensitive defense company, driving automation and achieving a productivity boost of over ten-fold by automating wide-scale static decompilation and analysis.

EDUCATION

Bachelors of Science, Information Technology

2015 - 2019

George Mason University

4x Dean's List, Concentration in Information Security

President, Mason Competitive Cyber

2016 - 2019

Founded a successful student organization operating hundreds of members with peer training, workshops, corporate guest circuits, and a popular CTF event. Cooperated with the Volgenau School of Engineering while they were seeking ABET accreditation for Cybersecurity Engineering.

Systems Administrator, Student Run Computing and Technology

2016 - 2019

Supported and maintained applications crucial to our presence under the Mozilla Open Source Student network, leading to some apps being integrated into GMU's official mobile platform. Elected position with a seat on the executive board.

AWS Solutions Architect Associate

2020 - 2023