

# SAMY NAKAYAMA DRISS

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## PROFILE

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Detail-oriented software engineer with extensive experience and knowledge of web applications, programming and information security. Excellent research, planning and technical writing skills. Strong desire for expansion of current skill set in a fast-paced work environment. Working proficiency in English, French, Arabic and Italian. Elementary proficiency in Japanese. U.S. Citizen.

## WORK EXPERIENCE

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### 2023-present F5 Networks - Senior Software Engineer - Tokyo, Japan

Worked on F5 XC Bot Detection product - developed and implemented client-side JavaScript solutions for robust bot detection, enhancing web security and ensuring a seamless user experience (**Java, Typescript**). Engineered and deployed a robust tagging feature for security rule data, streamlining the ETL process, and enhancing data organization and accessibility (**Django, SQL**). Led the integration of advanced search capabilities within security rule detection mechanism. This provided comprehensive visibility into customers' deployed production components and identifying areas requiring attention (**Django, React.js, SQL**).

### 2020-2023 F5 Networks - Senior Software Engineer - Santa Clara, United States

Introduced changes in procedures; implemented a scrum-based agile development process with strong documentation (**Confluence, Jira**). Trained and mentored junior engineers, ensuring on-boarding experience was seamless. Maintained internal tooling used by the Security Operations Center (SOC) (**Django, Javascript, Java, Kotlin, Python, React.js**). Managed individual project priorities, deadlines and deliverables. Architected and drove new integrations across other teams within F5. Planned, defined and oversaw intern projects. Migrated codebase to new version control system and configured CI/CD (**GitLab**). Implemented code generator for new countermeasures thereby improving SOC's efficacy by 250% (**Java**). Automated creation of internal tooling infrastructure using IaC tools (**ArgoCD, Terraform, Vault**).

### 2020 F5 Networks - Software Engineer III - Santa Clara, United States

EXPERIENCE Lead migration of infrastructure for security engineering team's internal tooling; this involved setting up a standalone infrastructure in GCP and setting up build tools (**Jenkins**). Implemented and deployed automated jobs to aggregate data and report findings on attacker behaviors to inform the Tactical Security team (**GCP, Python, SQL**). Contributed to core project for supporting the SOC in thwarting Magecart attacks, reducing time to action from 6 hours to 15 minutes (**GCP, Javascript, MongoDB, Python**).

### 2017-2020 Shape Security - Professional Services Engineer - Mountain View, U.S.A

EXPERIENCE Performed product integration and technical implementation of Shape Security's web and mobile solutions to protect Fortune 500 infrastructures from automated attack vectors (**Javascript**). Automated data analysis reports over attack campaigns, using Jupyter Notebooks (**Python, SQL**). Built internal tooling to automate test environment set-up and Shape solution configuration creation; resulting in 60% reduction in QA time and improved workflow integration (**Docker, Flask, MongoDB, React.js**). Optimized training documentation and mentored new hires. Troubleshot and provided solutions for complex Layer 7 issues experienced by Shape's clients. Served as primary technical resource for EMEA office in London. Transferred to a small, agile development team and prototyped a full stack web application which hosted internal tools for the Customer Success and Tactical Security team (**GCP, GraphQL, Node.js, Postgres, React.js, Typescript**). Developed and maintained automated test suites for internal tools (**Chai.js, Mocha.js**) and drafted software technical documentation for perspective developers.

### 2015-2017 Wraptime - Cofounder and Software Engineer - Nottingham, United Kingdom

Cofounded the company under the University of Nottingham's Graduate Entrepreneurship scheme. Launched product "Instaplay" (2000+ users), a platform for discovering and participating in sports events locally. Pitched business at the Parliament of the U.K. for "Nottingham at Parliament" event. Contributed in business plan development and in the design and development of the web and mobile applications (**Hapi.js, MongoDB, Node.js, React.js, React-Native**). Integrated security tooling into SDLC process (**Snyk**).

## TECHNICAL

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**Languages/ Frameworks** *proficient in* (Javascript, React.js, Python, SQL), *familiar with* (CSS, Django, Java, Git, GCP, HTML, MongoDB, Node.js, Postgres, Redux/Redux Sagas, Typescript), *basic knowledge in* (Cypress, Firebase, Flutter, Flask, Kotlin, GraphQL, Next.js, Redis, Terraform)

**Skills** *proficient in* (Technical Documentation, Web Development, Web Security, Research), *familiar with* (Customer Service, Data Analysis, Mentoring, Project Management, Requirements Elicitation, Troubleshooting), *basic knowledge in* (Android Security, Cloud Engineering, Cryptography, Network Security, Software Testing)

## EDUCATION

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### 2014-2015 Information Security MS, University College London

QUALIFICATION Masters of Science, **Distinction** (GPA equivalent approx. 3.5 - 4.0)

AWARDS **Dean's List**, Faculty of Computer Science, UCL, 2016 - awarded to the top 5% of graduates

### 2011-2014 Computer Science BS, University of Nottingham

QUALIFICATION Bachelor of Science, **First-Class Honours** (GPA equivalent approx. 3.5 - 4.0)

## PUBLICATIONS

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Driss Samy, Krol Kat, Parkin Simon, Sasse Angela. (2015) "Assessing the User Experience of Password Reset Policies in a University." *Technology and Practice of Passwords*. Springer International Publishing, 2015. 21-38.