Hideyuki Komaki

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SUMMARY

Full-stack Software Engineer with a strong background in Security and DevOps. Track record of delivering measurable impact in any role.

EDUCATION

University of Washington, Seattle   *September 2017 - June 2018; September 2019 - Present*
Major: B.S. Computer Science | GPA: 3.72 | Expected Graduation: June 2021

Bellevue College   *January 2019 - June 2019*
A.S. Computer Science | GPA: 4.0

Keio University, Tokyo, JP   *April 2015 - December 2018*
B.A. Business and Commerce (Transferred out) | GPA: 3.91

WORK EXPERIENCE

Salesforce.com, Inc. Bellevue, WA - ***Software Engineer Intern | Identity, Access, and Management Team***

June 2020 - September 2020

➢ Designed and implemented Single Sign On (SSO) functionality for an internal platform as part of the Salesforce Quantumk Security Token Service. It addresses the pain point that all employees need to login multiple times when they use different tools/services.
➢ Conducted threat modeling and deployed end-to-end systems into the AWS EKS cluster by the Spinnaker pipeline securely. All microservices follow zero-trust architecture and are secured by mTLS connection with the certification reloader.
➢ Automated the client authentication onboarding flow while refactoring existing monolithic service into two microservices. It reduced the onboarding time from 2 weeks to 20 min.
➢ Implemented the application launcher UI with react.js/typescript to improve the user experience of more than 8500 customers.
➢ Leveraged knowledge in designing and developing the auth n / z system with Java and Golang, deploying by k8s and Spinnaker, and monitoring by Splunk, Prometheus, and Grafana.

Flatt Security, Inc. Tokyo, JP - ***Security Engineer***   *July 2019 - September 2019, December 2019*

➢ Helped to discover vulnerabilities during penetration testing for several web-applications. Wrote bug reports and proposed fixes.
➢ Created a hands-on web security training platform for client companies.
➢ Leveraged knowledge in Kali Linux, Burp Suite for penetration testings, crafted exploitation codes in JavaScript and Python, and build a training environment using Docker, PHP, and Vue.js.

LINE, Corp. Tokyo, JP - ***Full-stack Engineer Intern | Standardization Team***   *August 2018 - December 2018*

➢ Developed a web marketing analytics SaaS that visualizes user behavior as a heat map in real-time using Vue.js, Node.js, and Elasticsearch. Manages more than 10 million data points of user behavior per second and contributed to improving the A/B testing environment. Resulted in a profit lift of approximately 8% for our product area.
➢ Doubled processing speed by implementing a compiler that translates the system to TypeScript Web Assembly. This also made the product more type-safe and reduced the bundle size by 60% compared to using an existing library. Announced at the LINE World Developer Conference. Launched in subsidiaries around the world such as Taiwan and Korea.
➢ Leveraged knowledge in Full-stack Web development, JavaScript, TypeScript, Elasticsearch, Git, and deployed using AWS EC2.

ABEJA, inc. Tokyo, JP - ***Data Engineer Intern | Platform Engineering Team***   *June 2017 - September 2017*

➢ Developed the Docker (NVIDIA Docker) based infrastructure of the Deep Learning system using MXNet and DeepSORT which detects and analyzes user behavior in retail shops by using data from ceiling cameras for improving marketing automation.
➢ Optimized algorithm in the Deep Learning system to make it more efficient and reduce the training time by using Python and MXNet. Shortened total runtime from 4 hours to 1 hour.
➢ Constructed an internal reporting front end application in Django that allows both business people and engineers to check the progress status and simplifies communication.
➢ Leveraged knowledge in constructing a data pipeline by NVIDIA Docker, programmed in Python, MXNet, and Django.

LANGUAGES / FRAMEWORKS / PLATFORMS

Proficient: Java, Golang, JavaScript, React.js, Vue.js, Node.js, Git, Kali Linux, Burp Suite, Docker, Kubernetes
Familiar: C/C++, Python, HTML/CSS, SQL, Amazon Web Service, Google Cloud Platform, Spinnaker, Elasticsearch, Splunk, Prometheus