

EMPLOYMENT

GoSecure, Oak Brook, IL (remote)

Principal Software Architect, Engineering, March 2021 – Present

Full-stack web development supporting managed security services.

- Built standardized platforms for back-end microservices/APIs (Java, Spring Boot) and front-end applications (React).
- Ideate and lead projects that improve Titan's features, stability, and security. Some key features:
 - Automatic horizontal scale-out solutions (Apache Pulsar and custom solutions).
 - OpenID Connect authentication integration with Keycloak.
 - Titan customer portal integrations with key operations systems and supported vendor management platforms.

DAIS Technology, Chicago, IL (remote)

Principal Software Engineer, Internet of Insurance Team, May 2020 – March 2021

Full-stack web development enabling new technologies for insurance carriers and agencies.

- Built and supported front-end Vue.js/Node.js applications and Java back-end micro-services / APIs.
- Primary developer for consumer-facing insurance portal to quote and buy policies for small valuables.

Hyatt Hotels Corporation, Chicago, IL

Senior Software Engineer / Interim Dev Team Lead (Contractor), Hyatt.com Booking Team, April 2018 – March 2020

Full-stack web development supporting online hotel reservations for customers.

- Helped architect, develop, and support mission-critical front-end Node.js applications and Java back-end micro-services.
- Lead projects that enhanced the customer experience, built new features, and improved security.
- Created a new platform using a modern web stack (React/Redux/Node.js), which facilitated rapid iteration of new projects.
- Worked closely with development, product, and design leadership to ensure our projects align with Hyatt's overall strategy.

International Business Machines (IBM), Oak Brook, IL (remote)

Independent Contractor, MSS Automation Center of Excellence, August 2016 – April 2017

Designed and developed automation solutions to enable the MSS ACE team to assist the Security Operations Center (SOC).

- Developed web-based tools for the MSS ACE team using PHP, Laravel, REST, jQuery, and MySQL.
- Designed and developed the beta version of Havyn, a voice-enabled cognitive solution for the SOC and MSS customers. Rapidly iterated versions for the SOC, customers, and convention demos.

Akeso Enterprises, LLC, Oak Brook, IL

Owner / Sole Software Engineer, April 2015 – Dec 2022

Created WellTrackToolkit.com, a web application for health practitioners that offer niche personal wellness programs.

- Tracks leads, automatically sends emails, and charts client progress through wellness programs.
- PHP/MySQL REST back-end service and front-end rendered using JavaScript and jQuery.

International Business Machines (IBM), Chicago, IL (remote since 2005)

Hired by Netrex in June, 1999. Internet Security Systems (ISS) acquired Netrex in Sept., 1999. IBM acquired ISS in Sept., 2006.

Senior Software Engineer / Team Lead, MSS Engineering, Managed Security Services, May 2012 – December 2014

Lead development teams that support customer devices and the Security Operations Center (SOC).

- Improved reliability, scalability, and coverage of device monitoring system.
- Maintained and improved automated device configuration backup system.
- Improved compliance of automated device password changer tool and other security policy enforcement systems.
- Supported SOC by implementing and maintaining tools to automate common tasks.

Software Engineer, MSS Engineering, Managed Security Services, May 2005 – May 2012

Develop, test, and maintain back-end systems that support managed security services.

- Helped expand supported devices and improve performance of the log management system, which collected a billion logs daily from customer security devices.
- Primary developer for multi-platform log agent installed on thousands of customer devices.
- Created a distributed server framework to dynamically scale multiple back-end systems.
- Implemented infrastructure automation, including security policy enforcement and reporting.

Research and Development Engineer, MSS Engineering, Managed Security Services, June 2003 – May 2005

Develop, test, integrate, and maintain new technologies in the management infrastructure.

- Helped develop and implement a device health monitoring system for customer premise equipment.
- Improve automation of Linux server installations.

SKILLS

- Programming languages: Java, JavaScript (Node.js), Perl, PHP, shell scripting, Python, C.
- Network and back-end programming in Java, JavaScript, Perl, PHP, and C.
- Front-end development using modern JavaScript frameworks such as React and Vue.js.
- Designing database tables and queries in PostgreSQL, MariaDB, and MySQL.
- Experience with CI/CD and Kubernetes.
- Extensive work with networking, routing, security, and firewalling.

EDUCATION

University of Illinois, Urbana/Champaign, IL
Bachelors of Science, Computer Engineering
Graduated with Honors, May, 1999