Nicolas Hunter

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EDUCATION

Bachelors of Science in Computer Engineering   **Graduation Date - December 9th,2018**
Florida International University (FIU); Miami, FL
- Relevant coursework: Intro to IoT Security, Telecommunication Networks, Ethical Hacking, Intro to Reverse Engineering Malware, Embedded Operating Systems, Embedded GUI Programming, Data Structures

CERTIFICATIONS

Amazon Web Services (AWS)

AWS Certified Solutions Architect (Associate)   August 2019 – August 2022
- Validation Number: F5TKC6CK31F4QCW8

AWS Certified Developer (Associate)   July 2019 – July 2022
- Validation Number: 0Y0948EKGMFQ1J58

KNOWLEDGE

Languages: Java/JEE, Python, JavaScript, SQL, C/C++, x86 Assembly, XML, LaTeX, Command Line
Technologies: AWS, Spring/Spring Boot, NodeJS, Express, ReactJS, MongoDB, SQL/NoSQL , Android Studio, Git/GitHub, Mirth Connect, DynamoDB, S3, KMS, CloudWatch, RDS
Skills: REST/SOAP, Web Service Architecture, Web Application Development, Server Deployment, Static/Dynamic Analysis, Embedded Linux, Automation Scripting, Cryptography, Computer Security and Network Analysis
Environments: Linux, MacOS, Windows, EC2, Docker, Kubernetes, Virtual Machines, Embedded Systems, IoT Devices, Mobile(iOS/Android)

EXPERIENCE

Tellus LLC   January 2019 – Current
Integrations Engineer
- Built and maintained interfaces for health care integrations using various messaging protocols and connection methods via Mirth Connect.
- Utilized experience with Java, JavaScript, SQL, and AWS in developing secure connections and transformations for inbound/outbound data feeds.
- Created technical and clearly understandable documentation for both internal and external audiences' that define processes, specifications and functionality of interfaces.

Bayview Asset Management   June 2018 – December 2018
Java Developer
- Developed web service and executable applications using Spring/J2EE/HTML/CSS/JavaScript under Test Driven Development in an Agile work environment.
- Upgraded Spring Boot application monitoring admin server with role-based authorization filters backed by a LDAP authentication database for monitoring company client application metrics under different staging environments.
- Designed Java executable process to consume API hosted on an SSL certified client web server and push requested data to internal Microsoft SQL Server database.

PROJECTS

Senior Design Project – RFID Logistics System   January 2018 – December 2018
Project Manager/Team Leader
- Worked with team of 5 to designed a cross platform RFID IoT middleware application for Linux based systems that supports Read/Write functionality of Generation 2 UHF RFID tags.
- Connected M6E Nano RFID Reader with Single Board Computer over USB serial to allow RFID tag data to be pushed to a NodeJS Web Service hosted on an AWS EC2 Instance.
- Integrated Python scripting and various Amazon Web Services technology stacks to utilize serverless functions and interact with a Microsoft SQL Server database hosted on Amazon RDS.

Secure NodeJS API + ReactJS Web Form   August 2018 – December 2018
Introduction to IoT Security Final Project
- Hosted NodeJS REST API on a Raspberry Pi to expose embedded SQLite database.
- Created functions to test performance of various hashing algorithms including SHA-512, MD5 and BCrypt.
- Added additional security to API using JSON Web Token authentication.
- Designed additional ReactJS Web Form to POST data to API and insert in-memory database.