Josh Hutchison | Software Developer

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[Portfolio](#) | [LinkedIn](#) | [Github](#)

SUMMARY

As a software developer with 5 years of experience and a background in electronic engineering, I am a versatile problem solver with a strong technical skill set, encompassing Java, Python, and Web Development. I have a track record of streamlining processes, automating tasks, and driving efficient solutions. With a passion for innovation and a commitment to excellence, I am poised to contribute my expertise to tackle diverse challenges and make a meaningful impact in software development.

TECHNICAL SKILLS

HTML | JavaScript | CSS | Python | Java | C# | MongoDB | Express | React | Node | Django | REST | SQL | Git | Github | Docker | AWS (*S3, Lambda, SQS, EC2, ECS, and ECR)* | Jira | Slack | Zoom | Postgres | Bash

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EDUCATION

General Assembly   Toronto
Software Engineering Immersive   *09/2023 - 12/2023*
- Full-stack software engineering immersive student in an intensive, 12-week, 500+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects. Learning technologies such as HTML, CSS, Javascript, Mongoose, Express, React, Node, Git, Python, Django and SQL

RCC College of Technology   Toronto
Electronic Engineering Technologist   *2004*
- Electronic Engineering Technologist education provided a strong foundation in electronics, electrical systems, and technology, covering areas like circuit design and microcontroller programming. This program equipped me with the skills to design, troubleshoot, and maintain electronic systems across various industries, emphasizing problem-solving and practical application.

WORK EXPERIENCE

Software Developer   Toronto
Messagepoint   03/2019 - 08/2023
- *Designed and implemented robust and scalable RESTful APIs using Java Spring framework, ensuring optimal performance and responsiveness for seamless communication between server and client applications.*
- *Proficient in integrating Hibernate ORM with Spring, utilizing its object-relational mapping capabilities to seamlessly interact with PostgreSQL databases. Ensured efficient data persistence and retrieval through optimized database interactions.*
- *Implemented robust security measures in Spring applications, including JWT authentication mechanisms, to secure REST APIs and control access to sensitive data, ensuring compliance with industry standards and best practices.*
- *Applied industry best practices in designing RESTful APIs, adhering to RESTful principles, and implementing standardized design patterns for clear and consistent API interfaces within Spring-based projects.*
- *Implemented CI/CD pipelines using Teamcity for automated builds, testing, and deployment of Spring applications, ensuring a streamlined and efficient development lifecycle for RESTful APIs.*

- *Implemented end-to-end automation solutions, which streamlined integration processes and testing through CLI tools and scripts, and developed dynamic reports to enhance overall efficiency and documentation practices.*
- *Enhanced Jira/AWS integration by developing an application that automatically detects new Jira tickets and automating the process of copying log files and database schema to S3, fostering efficient team communication.*
- *Created a private Homebrew application to automate backend VM setup with Parallels, Packer, and Vagrant reducing manual setup time and ensured a consistent development environment.*
- *Implemented Python scripts to automate test processes for the main web app via SOAP/REST APIs improving testing efficiency, accuracy, and generated reports based on test results.*

Software Automation Developer   Toronto
Johnson Controls   08/2017 - 03/2019

- *Developed Java APIs and Python libraries to support test frameworks like Cucumber and Robot Framework, enhancing testing capabilities and flexibility.*
- *Created test suites for automated testing, covering various types of tests, including smoke, functional, non-functional, and regression tests.*
- *Wrote automation test scripts to simulate user interactions with legacy GUI applications using Java and Python, ensuring the stability and reliability of older systems.*
- *Configured Jenkins jobs to automate regression test suites, deploy critical test results, and build software, streamlining the CI/CD pipeline.*

Systems Integration Engineer   Toronto
Johnson Controls   10/2012 - 08/2017

- *Coordinated system requirements and collaborated with engineering groups to define and execute verification and validation activities for new projects, ensuring the development of high-quality products.*
- *Demonstrated expertise in SurGard Receivers, handling installation, programming, integration with central monitoring software, and troubleshooting.*
- *Proficient in various communication formats, including SIA, Contact ID, and DTMF formats, with experience in video verification with SurGard receivers.*

Technical Support Lead   Toronto
Johnson Controls   09/2011 - 10/2012

- *Led and provided expert-level technical support, serving as a central point of contact for global central monitoring centers, ensuring the seamless operation of security systems.*
- *Coordinated and oversaw installation, configuration, and training for SurGard central station receivers, demonstrating proficiency and providing guidance to professional alarm installers.*
- *Facilitated effective communication between engineering teams and external customers to identify and proactively address product-related issues, taking a lead role in issue resolution.*

English Teacher   Jeju, South Korea
Talk - Teach and Learn in Korea   09/2009 - 09/2011

- *Effectively instructed English to elementary school students, collaborating with a Co-teacher to organize and deliver engaging lessons across varying learning levels.*

Technical Support Rep   Toronto
DSC - Digital Security Controls and SurGard   10/2006 - 08/2009
- *Provided comprehensive technical support for SurGard's Central Station Receivers, Internet communicators, including issue resolution, installation, training, documentation, and scheduling.*

Security Systems Specialist   Toronto
AlarmForce   09/2004 - 10/2006
- *Collaborated with customers and technicians to troubleshoot Alarmforce/DSC systems, working collaboratively across multiple departments as a team while also installing and maintaining security systems.*

SOFTWARE ENGINEERING PROJECTS at General Assembly

Jedi game | Solo Concept Project
Software Developer | 1 week | Live | Github
- *A survival game where the player reflects blaster shots with their lightsaber*
- *Utilized technologies like HTML5, JavaScript, and the HTML5 Canvas API to build the game, resulting in a user-friendly and immersive gaming experience.*
- *Demonstrated strong problem-solving skills by overcoming complex challenges in game development, enhancing my programming and design capabilities.*

Gaming Deals website | Solo Project
Full Stack Developer | 1 week | Github
- *Independently designed and developed a Gaming Deals Website, offering a comprehensive list of gaming discounts and deals from various sources.*
- *Utilized HTML, CSS, and JavaScript for the front-end and implemented a MongoDB database with Mongoose as the back-end, using Express.js for API development.*

Pizza Shop Website | Team Project
Full Stack Developer | 1 week | Github
- *Collaborated within a team to create a Pizza Shop Website using React.js for the front-end and integrated it with a MongoDB database, managed with Mongoose and an Express.js back-end for order processing.*
- *Utilized a wide range of technologies, including React, Node.js, Express, and MongoDB, showcasing the ability to create complex, full-stack web applications.*

Monster Pet Adoption | Solo Project
Full Stack Developer | 1.5 weeks | Github
- *Independently designed and developed a Monster Pet Adoption Website, presenting various monsters to be adopted. The Monsters were displayed as 3D models using the React Three Fiber library and were fully interactable and animated with the ability to rotate, zoom, and change the animations of the models.*
- *Utilized a wide range of technologies, including React, Django, React Three Fiber showcasing the ability to create complex, full-stack web applications.*