

Josh Hutchison | Software Developer

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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

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

Humber College

Toronto

Java Programming Course

2017

- Introductory Java programming course providing a fundamental understanding of Java as a programming language. The course covered essential topics such as variables, data structures, control structures, and object-oriented programming. Through practical exercises and projects, I developed the skills to create and debug Java applications, providing a strong foundation for software development in the engineering field.

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.
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WORK EXPERIENCE

Software Developer

Toronto

Messagepoint

03/2019 - 08/2023

- Automated integration processes, developed CLI tools and scripts to streamline testing, and generated dynamic reports to improve efficiency and documentation.
- Streamlined Jira/AWS integration by creating an application that automatically detected new Jira tickets, copied log files or files and database schema to S3, and provided a link on the ticket. This increased efficiency and communication within the development team.

- *Developed a private homebrew application that automated the setup of the local environment backend VM using Parallels, Packer, and Vagrant. Reduced manual setup time and ensured a consistent development environment.*
- *Automated manual test processes by creating a Python script that ran tests on the main web app through SOAP/REST APIs, generating reports based on the results. Improved testing efficiency and accuracy.*
- *Designed and implemented a REST API to enhance automation capabilities using Spring/Java, expanding the scope of automation possibilities.*
- *Created a command-line interface (CLI) tool in Python for comparing XML files, facilitating data comparison and validation tasks.*
- *Developed an application utilizing Homebrew for downloading, installing, and setting up various applications, simplifying the software management process.*
- *Implemented scripts for dynamically generating Word documents and PDF reports based on automated test results, saving time and improving documentation.*

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

Talk - Teach and Learn in Korea

Jeju, South 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.*