Robert Hussey | Software Developer

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"Somewhere, something incredible is waiting to be known"

Education

2011–2013 **M.S. in Computer Science**, *Rowan University*, Glassboro, NJ, *3.9*.
Alpha Epsilon Lambda Honor Society

2009–2011 **B.S. in Computer Science and Information Systems**, *The Richard Stockton College of NJ*, Galloway, NJ, *4.0*.
Summa Cum Laude and Program Distinction

Experience

2019–2021 **Software Developer**, *Edmunds GovTech*, Northfield, NJ.
MCSJ/Sabre - Financial ERP Solutions for Local Government.
- Helped kick-off the re-engineering of legacy software including backend and frontend components, as well as a new test framework.
  - Java, Angular, AWS, SpringBoot, Docker, JUnit 5, Mockito
- Introduced a framework for testing legacy product code.
  - Java, JUnit, Mockito, DbUnit, Maven, Docker
- Working with our Concept team, worked on the implementation and launch of new, client-focused features.
  - Integration of SalesForce (Java, SalesForce Lightning REST API)
  - A financial dashboard using AWS services (SQS, Lambda, QuickSight)

2015–2019 **Lead Java Software Developer**, *Computer Service & Support, Inc.*, Linwood, NJ.
Avalon Laboratory Information System for clinical and toxicology labs.
- Started during the intial stages of a relaunch of our LIS software.
- Lead the architecting of a cloud-enabled version.
  - AWS EC2, VPC, AppStream 2.0

Languages and Skills

Legend
- ■□□□□ Basic Knowledge
- ■■□□□ Intermediate project experience
- ■■■□□ Extensive project experience
- ■■■■□ Deep knowledge/project experience
- ■■■■■ Expert/Guru (always more to learn)

Language:	Level	Skill	Years	Comment
	■■■■■	Java	6	**Most common work and academic experience**
	■■□□□	Angular	1	**Used in re-engineering a Swing/JavaFX frontend**
	■■□□□	JavaScript	1	**AWS Lambda as well as frontend work experience**
	■■■□□	Python	2	**Used in packaging and deployment along with scripts**
	■■■■□	Bash/Sh	5	**Automation, packaging, and deployment scripts**
	■■■□□	PHP	2	**Used in website development and maintenance**
	■■■■□	C#/.Net	3	**Used often in coursework and academic projects**

	Skill	Years	Description
	C/C++	2	**C++ convinced me to pursue computer science**
DevOps:	AWS	5	**AWS training sessions. Console and command line**
	Docker	2	**Used in deploying test and QA environments**
	Postman	1	**Testing APIs and continuous integration**
OS:	Unix/Linux	5	**AIX and Ubuntu. Arch and Fedora personally**
	Windows	6	**Batch scripting and task automation**

Publications

Title — *A Comparative Study of Proactive and Reactive Geographical Routing Protocols for MANET*

Authors — Rob Hussey, Earl Huff, Zabih Shinwari, and Vasil Hnatyshin

Description — Completed with my Masters degree. This paper compares the performance of reactive and proactive geographical location–aided routing protocols for MANETs through simulation using the OPNET Modeler software package

Interests

Linux — *I've had fun tinkering with Linux since first installing Slackware back in High School*

Guitar — *Just starting to learn! It's a great distraction from things during Covid*

Biking — *Outdoors, great exercise. Can't wait for better weather*

Publications

John Doe and Author 1. Title. *Awesome Journal*, 2013.

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Company Recruitment team   April 09, 2021
Company, Inc.
123 somestreet
some city

Dear Hiring Manager,

This letter is to express my interest in the <POSITION> role listed on <LOCATION>. I am confident my education and years of experience working with both front-end and back-end systems will be a major asset to your organization. I also believe that I would enjoy the interesting work that is being done by your organization.

I enjoy being challenged by my work while also improving my knowledge and skills. While developing the Avalon Laboratory Information System, the work also included creating interfaces for medical instruments. These instruments included Agilent LC/MS devices, Thermo Fisher QuantStudio Real-Time PCR systems, and numerous others. Interfaces were, at times, combined with data-reporting APIs such as Coriell Life Sciences' pharmacogenomic (PGx) and women's health reporting services. Since these instrument interfaces were taking more and more of my time, especially when a new client installation could result in several interfaces being required, I developed the Avalon Instrument Interface library. This library of code could be used to quickly develop an interface for an entirely new device by using a template of a similar device. It had become clear that although there were different protocols and formats being used by the instruments, they would, in general, use ASTM E1381 or E1394 protocol or a known and documented proprietary format and protocol. By building out the Instrument Interface library each time, the suite of available templates grew and by the end of my time as CSS, many interfaces were created by simply using a template and overriding one or two method calls.

To put it simply, I am passionate about my work and I hope to bring that passion to your organization.

Lately, this passion has included AWS engineering as well. This began at CSS, where I led the development of a cloud-enabled version of our LIS by using Amazon AWS, especially AppStream 2.0, VPC/VPN, and EC2. At Edmunds GovTech, I used and was trained on the use of many other services, such as using Lambdas to process financial data from SQS messages and then updating the measures in an Amazon Aurora DB to later be digested by QuickSight. I also use AWS personally, for example, my website rjhuss.com uses AWS Amplify, Cognito, S3, Route 53, VPC, and other services.

Although I take my work seriously and strive for something close to perfection, it will always be made easier by my natural interest in technology and the feeling that comes from solving a difficult problem in an elegant or unexpected way. I can remember this feeling back in High School, when I was at home programming simple quiz-like programs in C++ and I still feel this today, while learning new tricks to use in LaTeX to format this document.

Thank you for your time and consideration. I look forward to speaking with you.

Sincerely,

Robert Hussey

Attached: curriculum vitæ

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