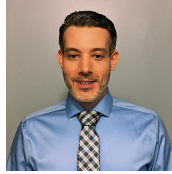


# Robert Hussey | Software Developer

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rjhuss.com  
robert-hussey  
hussrj

*"We are like butterflies who flutter for a day and think it's forever."*

## 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 back-end and front-end 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
  - Worked with the Concept team on the implementation and launch of new, client-focused features.
    - Integration of Salesforce reporting (Java, Salesforce Lightning REST API)
    - A financial dashboard using AWS services (SQS, Lambda, QuickSight)
- 2015–2019 **Lead Java Software Developer**, Computer Service & Support, Linwood, NJ.  
Avalon Laboratory Information System for clinical and toxicology labs.
- Started during the initial stages of a relaunch of our LIS software.
  - Led the architecting of a cloud-enabled version.
    - AWS EC2, VPC, AppStream 2.0

## Languages and Skills

Legend

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

Language:	Level	Skill	Years	Comment
	■ ■ ■ ■ ■	Java	6	<b>Most common work and academic experience</b>
	■ ■ ■ ■ ■	Angular	1	<b>Used in re-engineering a Swing/JavaFX front-end</b>
	■ ■ ■ ■ ■	JavaScript	2	<b>AWS Lambda as well as front-end work experience</b>
	■ ■ ■ ■ ■	Python	2	<b>Used in packaging and deployment along with scripts</b>
	■ ■ ■ ■ ■	Bash/Sh	5	<b>Automation, packaging, and deployment scripts</b>
	■ ■ ■ ■ ■	PHP	2	<b>Used in website development and maintenance</b>
	■ ■ ■ ■ ■	C#/.Net	3	<b>Used often in coursework and academic projects</b>
	■ ■ ■ ■ ■	C/C++	2	<b>C++ convinced me to pursue computer science</b>

	Level	Skill	Years	Comment
DevOps:	■■■■■	AWS CloudFormation	4	<b>AWS training. Infrastructure as code</b>
	■■■■■	AWS CloudWatch	4	<b>Monitoring applications and infrastructure</b>
	■■■■■	AWS IAM	4	<b>Identity and access management. MFA and security</b>
	■■■■■	Amazon VPC	4	<b>Virtual networking and VPNs (connect local to cloud)</b>
	■■■■■	GitHub CI/CD	1	<b>In use along with amazon services for rjhuss.com</b>
	■■■■■	GitLab	2	<b>Merge requests, code reviews, and management of code</b>
	■■■■■	Agile/Scrum	3	<b>Stand-ups, post-mortems, and iteration planning</b>
	■■■■■	Docker	2	<b>Used in deploying test and QA environments</b>
	■■■■■	Postman	1	<b>Testing APIs along with continuous integration</b>
Databases:	■■■■■	Relational	6	<b>MySQL, SQL Server, Actian, Aurora and PostgreSQL</b>
	■■■■■	NoSQL	3	<b>DynamoDB, Redis, memcached, and MongoDB</b>
OS:	■■■■■	Unix/Linux	5	<b>AIX and Ubuntu. Arch and Fedora personally</b>
	■■■■■	Windows	6	<b>Batch scripting and task automation</b>
Other:	■■■■■	AWS EC2	4	<b>For both MCSJ and Avalon LIS (cloud)</b>
	■■■■■	Network routing	5	<b>Cisco - configuring VPN and firewall</b>
	■■■■■	Amazon AppStream	3	<b>Serving applications from the cloud</b>

## Publications

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

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

**Journal** Proc. of the 12th International Conference on Wireless Networks (ICWN'13)

**Description** Completed with my master's 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

**Title** *How to Use HAProxy for Load Balancing*

**Authors** Robert Hussey

**Website** [linode.com/docs/guides/how-to-use-haproxy-for-load-balancing/](https://linode.com/docs/guides/how-to-use-haproxy-for-load-balancing/)

**Description** A short guide on using HAProxy for load balancing with special regard to using it with Linode services

## Interests

**Linux** *I've had fun tinkering with Linux since first installing Slackware back in high school*

**Guitar** *Just starting to learn! It has been a great distraction from things during Covid*

**Biking** *Outdoors, great exercise. Excited for the warmer weather!*

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