

# Robert Hussey | Software Developer

Cape May, NJ  
(609) 742 1247  
hussrj@gmail.com



rjhuss.com  
robert-hussey  
hussrj

## 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

2021–Present **Senior Software Engineer**, *AllyDVM*, Remote (NJ).

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

	Level	Skill	Years	Comment
Language:	■■■■■	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>
	■■■■■	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>
	■■■■■	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>
	■■■■■	Amazon VPC	4	<b>Virtual networking and VPNs (connect local to cloud)</b>
	■■■■■	Network routing	5	<b>Cisco - configuring VPN and firewall</b>
	■■■■■	Amazon AppStream	3	<b>Serving applications from the cloud</b>
	■■■■■	Agile/Scrum	3	<b>Stand-ups, post-mortems, and iteration planning</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** *A hobby since first installing Slackware back in High School*

**Guitar** *Slowly improving. Still a beginner and enjoying learning*

**Biking** *Riding along the bay makes for peaceful exercise*

Cape May, NJ

☎ (609) 742 1247 • ✉ [hussrj@gmail.com](mailto:hussrj@gmail.com) • 🌐 [rjhuss.com](http://rjhuss.com)

🌐 [robert-hussey](https://www.linkedin.com/in/robert-hussey) • 🎧 [hussrj](https://open.spotify.com/artist/hussrj)