

Robert Hussey | Software Developer

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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		

Language:	Level	Skill	Years	Comment
	■ ■ ■ ■ ■	Java	6	Most common work and academic experience
	■ ■ ■ ■ ■	Angular	1	Used in re-engineering a Swing/JavaFX front-end
	■ ■ ■ ■ ■	JavaScript	2	AWS Lambda as well as front-end 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

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

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/

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*

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