

Jay Carman, Cloud Software Developer

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SUMMARY	Software developer with broad experience across programming languages, platforms and architectures. Enjoys working with emerging technology and diverse teams.	
EDUCATION	University of Arkansas, Fayetteville Bachelor of Science - Electrical Engineering (Mathematics minor)	Aug 2003 - May 2008
SKILLS	Programming languages: Python, Ruby, Go, Bash, Perl Software tools: Git, Ansible, Terraform, Travis CI Databases: PostgreSQL, SQLite Data Formats: JSON, YAML, XML Miscellaneous: Linux, IBM Cloud, PowerVM, KVM, IPMI, PXE, DNS	
EXPERIENCE	IBM - Austin, TX	Jun 2008 - Present
	Squad lead Power Systems Hybrid Cloud	Oct 2019 - Present
	<ul style="list-style-type: none">◦ Red Hat Partner Engineer◦ Squad lead for ManageIQ/CP4MCM Infrastructure Management Power plug-ins◦ Squad lead for Red Hat ACM on Power architecture◦ Author of machine generated IBM Cloud Ansible collection	
	Lead developer 'POWER-Up' Cluster Deployment Automation	May 2017 - Oct 2019
	<ul style="list-style-type: none">◦ Automated deployment of bare-metal OpenPOWER and x86 server clusters◦ Leveraged open source tools such as Cobbler, Ansible, Python, IPMI and dnsmasq◦ Automated advanced client and switch network configuration◦ Automated IBM Watson Machine Learning Accelerator software stack installation	
	Staff Engineer Power8 Mid-Range CEC Bring-up	Aug 2012 - May 2017
	<ul style="list-style-type: none">◦ Server integration bring-up◦ Large system configuration stress testing	
	Engineer Power7 Memory Verification Tools	Jun 2008 - Aug 2012
	<ul style="list-style-type: none">◦ Developed and maintained internal software used for error injection, data collection and test automation◦ Patented memory reliability innovations	
INTERESTS	Open Source Software [<i>Home Automation</i> , <i>Networking</i> , <i>Education</i> , <i>Electronics</i>] , Cycling [<i>Commuting</i> , <i>Cargo</i> , <i>Repair</i>]	