Jay Carman, Senior Software Developer

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SUMMARY	Senior software developer with broad experience across programming languages, platforms and architectures. Enjoys working with emerging technology and diverse teams.

EDUCATION	**University of Arkansas, Fayetteville**	Aug 2003 - May 2008
	Bachelor of Science - Electrical Engineering (Mathematics minor)	

SKILLS	**Programming languages:** Ruby (Rails), Go, Python, Bash, Perl
	Software tools: Git, Containers (Docker/LXC), K8s / Red Hat OCP, Ansible, Terraform, Travis CI, Jenkins, Argo CD
	Databases: PostgreSQL, SQLite
	Data Formats: JSON, YAML, XML
	Miscellaneous: Linux, Linux Networks, REST APIs, Cloud (IBM,AWS,GPC,Azure,DigitalOcean), PowerVM, KVM, IPMI, PXE, DNS

EXPERIENCE	**IBM - Austin, TX**	Jun 2008 - Present
	Senior Software Developer | Power Systems Hybrid Cloud	Sep 2021 - Present
	• Senior technical leader for IBM Power Systems Hybrid Cloud Management development	
	• Red Hat Partner Engineer	
	• Squad lead for ManageIQ/CP4MCM Infrastructure Management Power plug-ins	
	Advisory Software Developer | Power Systems Hybrid Cloud	Oct 2019 - Present
	• 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	
	Advisory Software Developer | 'POWER-Up' Cluster Deployment Automation	May 2017 - Oct 2019
	• 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 Bring-up Engineer | Power8 Mid-Range CEC Bring-up	Aug 2012 - May 2017
	• Server integration bring-up	
	• Large system configuration stress testing	
	Bring-up Engineer | Power7 Memory Verification Tools	Jun 2008 - Aug 2012
	• Developed and maintained internal software used for error injection, data collection and test automation	
	• Patented memory reliability innovations	

INTERESTS	Open Source Software *[Home Automation , Networking , Education , Electronics]* , Cycling *[Commuting , Cargo , Repair]*