

Jim Craveiro - Software/Devops Engineer

Relevant Work Experience

RapDev.io - Devops Engineer - 2yr 8mo <ul style="list-style-type: none">Expert support and consulting for Fortune 500 and 100 enterprisesDatadog SME - proficient in Datadog tools, offering guidance and support to clients for monitoring and alerting systemsServiceNow - integration experienceFull Stack Development & Consulting - lead engineer & architect on multiple projects, engaging with clients for requirements gathering, demos, deployment, and supportIn-depth Debugging & Monitoring - conducted thorough debugging and monitoring by embedding myself into clients' environments, both cloud and on-site, to identify and resolve issuesTool Development - architected and developed custom tools to maintain and monitor clients' environmentsHybrid work environment, primarily remote	Managed Services Team - IT Support Engineer - 6mo <ul style="list-style-type: none">Daytime support utilizing remote toolsOn-site support when necessary24/7 on-call remote support experienceFull spectrum support described as:<ul style="list-style-type: none">computer deployment, support, and maintenancemisc. hardware deployment, support, and maintenancesoftware deployment and supportserver support and maintenance (including active directory)network support and maintenance (including firewalls & vpns)handling of confidential dataextensive documentation incl. but not limited to; methods & tools used, issues & workarounds, client information, credentials, etc.
MITRE - Innovation and Technology Co-op - 2yr <ul style="list-style-type: none">Team oriented rapid prototypingFocus on emerging technologies and how to integrate them into the workplaceLead developer on project prototyping new internal search frontendMinor experience with fuzz testing for military adjacent technologiesIncluding both fully remote and fully on-site experience	RIT - Software Engineering, Graduate Teaching Assistant - 4mo <ul style="list-style-type: none">Real Time & Embedded Systems Course<ul style="list-style-type: none">focus on QNX Neutrino RTOS & C programming languagePresented topics to the classEvaluated students' project reports and demosAssisted students in classVoluntarily held out-of-class help sessions

Skills

Languages (ordered by proficiency) <ul style="list-style-type: none">PythonJavaScriptJavaC/C#/C++ (similar proficiency)ARM Cortex M0+ Assembly	Libraries & Frameworks <ul style="list-style-type: none">Python<ul style="list-style-type: none">NumPyDjangoJavaScript<ul style="list-style-type: none">Express.jsjQueryAngularJSReactRedux	Databases <ul style="list-style-type: none">SQLiteMongoDBPostgreSQLMSSQLMySQL	Cloud Technologies <ul style="list-style-type: none">AWS<ul style="list-style-type: none">EC2, EBS, S3, RDS, CloudFront, Route 53, VPC, ELB, IAM, KMSAzure<ul style="list-style-type: none">Data Factory, Data Lake, Databricks, Synapse, Event Hubs, VMs, Functions, AKS, Container Instances, Azure SQL, ADO, Azure AD	Miscellaneous <ul style="list-style-type: none">Linux & WindowsSysadminDatadogServiceNowNode.jsKubernetesAnsibleHashiCorp<ul style="list-style-type: none">TerraformVaultConsul
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Personal Projects

BMP Encoder <ul style="list-style-type: none">Python project to losslessly encode an image into another image (child is lossless, parent is lossy)Original concept was to have it be indiscernible to the human eye, but with the goal of a consistent pattern that AI could easily find and reconstructEventually added format preserving encryption as an option with pyfffxEncodes/decodes a child image of half height and half width of a parent into/from the parent imageCurrently closed source, plan to open source it in the future	Fox Latch <ul style="list-style-type: none">Python/Django web based door lock controllerHardware used included a Raspberry Pi, a servo, and a hall effect sensorRaspberry Pi, using Python, interfaced with hardware via GPIO while also serving the web frontend with Python/DjangoOpen source, available on my Github	Thunderdome Rave <ul style="list-style-type: none">Sub-project from a team working with a web accessible vending machineGoal for super-project was to allow CSH alumni to drop free drinks and set off an alarm, allowing members to get them on a first-come, first-served basisThis was the alarm aspect of the super-project, controlling speakers and an LED strip with a Raspberry PiPython used to interface with hardware via GPIO and the 3.5mm audio outOpen source, available on my Github
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Education & Extracurricular

Rochester Institute of Technology (RIT) <i>B.S. Software Engineering <unfinished></i> <ul style="list-style-type: none">Focus on Computing Security and Embedded SystemsMinor in Computer Engineering5 years of study including 1 year of full-time co-op experiencePlanning on finishing it in the future	Computer Science House (CSH) <ul style="list-style-type: none">Special interest house at RIT where members have an interest in computersRequires one technical project to be evaluated by members each yearPromotes seminars from members and industry experts on technical topicsHeavily emphasizes and supports hands-on learning	Eagle Scout <ul style="list-style-type: none">Highest rank in scouting, displaying leadership and capstoned by an "Eagle project"Organized and ran a pasta dinner as a fund raiserThen organized and executed the construction of a 1300' path, by hand, in my local monasteryCountless hours of volunteer workExperience as an adult leader as well as working for a large scout camp in the summer, mainly training children how to safely operate and maintain firearms and archery equipment
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