

SKILLS

Languages	Web	DevOps	Principles	Certifications and Trainings
<ul style="list-style-type: none">• Python• C++• JavaScript• PHP• Java	<ul style="list-style-type: none">• React/ Redux• jQuery• MySQL/MongoDB• HTML/CSS/Bootstrap• Node/Express	<ul style="list-style-type: none">• Linux• Windows• ESXi/VCSA• Docker• Git/SVN	<ul style="list-style-type: none">• Search engines/ranking• Algorithms and structures• Full stack web development• Infrastructure Virtualization• Automation scripting	<ul style="list-style-type: none">• Scrum Fundamentals Certified• Waterfall (PMP) Coursework• VMware Cloud Fundamentals• MEAN Stack Training• Docker Training

EXPERIENCE

Hewlett Packard Enterprise Software Engineer <ul style="list-style-type: none">• Developing next generation web application using a React/Redux frontend, and PHP, MySQL backend.• Developing search engine (ranking) algorithms and code using Node, MongoDB, and Express.• Developing Docker containers for infrastructure automation.• Manage and setup VMware ESX servers, VCSA, iSCSI solution, and clustering and networking for group's infrastructure.• Developed features on current generation web application using jQuery/JavaScript for frontend and PHP and MySQL for backend.• Play a key role in bringing up an infrastructure from scratch of over 100 machines and three different teams.• Ran weekly meetings for UX prototyping, and maintain and develop project backlogs for Scrum for the frontend project.• Vice President for the Young Employees Network Houston Chapter.	Jan '16- Current	IBM ASIC Verification Engineer Co-Op <ul style="list-style-type: none">• Developed firmware automation code with Python.• Setup hardware verification tests using C++.• Used Python and SQL to create hardware register databases, failures reports, and hardware specifications.	Jul – Dec '15
Igor, Inc Part-time Firmware Engineer <ul style="list-style-type: none">• Developed firmware code for a successful IoT startup.• Developed code to communicate using XML and UPnP protocol.• Wrote code in C to perform tasks such as detect the amount of sunlight entering and room, and automatically dim lights to match user's settings.	Dec '14 – Feb '15	Micron Technology Intern SSD QRA Engineer <ul style="list-style-type: none">• Developed test automation library and backend code using Python and web2py for testing SSDs.• Developed application frontend using JavaScript, HTML, CSS, and Bootstrap.	May – Aug '14
		HGST, A Western Digital Company SoC Prototyping Engineer Intern <ul style="list-style-type: none">• Developed remote power on feature for FPGA using C for firmware code and HTML and JavaScript for webpage.• Wrote hardware code using SystemVerilog and VHDL to test FPGA solution's specifications and standards.	May – Aug '13
		SoC Integration Co-Op Engineer <ul style="list-style-type: none">• Scripted a library of functions in TCL to control LeCroy oscilloscopes over TCP/IP network.• Developed DRAM tests in TCL and C for failure analysis purposes on SAS SSDs, HDDs and PCIe FPGAs.	May – Dec '12

EDUCATION

Harvard University Extension School Masters, Software Engineering (part time, online) Jun '16 – May '19	Relevant Coursework: <ul style="list-style-type: none">• Algorithms at the End of the Wire• Algorithms: Design and Implementation• Embedded Systems• Computer Architecture• Network Security & Protocols	Leadership experiences: <ul style="list-style-type: none">• President, PR Director - International Student Council• President - Indian Students Association• Senator - Government of the Student Body
Iowa State University Bachelors, Electrical/Computer Engineering Jan '12 – Dec '15		

PROJECTS

Griffin Web Application <ul style="list-style-type: none">• Developing an application used to test HPE servers and RAID controllers.• Allows users to search, filter, comment on and triage large amounts of data.• Responsible for frontend code, search engine code, and infrastructure.• Similar to www.hc380.grommet.io	Two Stage MapReduce Research <ul style="list-style-type: none">• Currently working on a research paper to inspect the effects of dual-staging the map stage of MapReduce.• Goal is to produce a system that will make searching through machine-generated text (i.e. log files) more efficient.	SSD Test Automation Application <ul style="list-style-type: none">• Developed web application to test solid state drives using JavaScript and Bootstrap.• Developed a library of code that could perform reads and writes to SAS and SATA solid state drives.• Project was completed in half the time.
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