

DAVID DIBENEDETTO

Software Developer • Technology Entrepreneur • Linux / AI / Automation

New Providence, NJ • New York City Metropolitan Area
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PROFILE

Software developer and entrepreneur with hands-on experience across web applications, Linux systems, automation, cloud infrastructure, hardware integration, AI/LLM deployment, financial technology, and real-estate data tools.

TECHNICAL SKILLS

Programming

Python, JavaScript, Java, C, C++, Bash/Shell, Perl, SQL, HTML, CSS

Web / Data

Node.js, Express, MySQL, REST APIs, Bootstrap, Plotly, data visualization

Systems / Cloud

Linux, Fedora, Ubuntu, RHEL/CentOS, AWS, Docker, Git, Raspberry Pi

AI / Compute

Local LLMs, Ollama, ROCm, Vulkan, GPU compute, TensorFlow/PyTorch

Infrastructure

Networking, system administration, automation, monitoring, ASIC/GPU systems, sensors

EDUCATION

Raritan Valley Community College

Computer Science / IT Coursework

- Coursework in programming, Java, computer science, and information technology.
- Dean's List multiple semesters.

FOCUS AREAS

Software Development • Linux • AI/LLMs • Automation • Cybersecurity • FinTech • PropTech • GPU Computing • Open Source • Technical Troubleshooting

PROFESSIONAL EXPERIENCE

NJWEB.SOLUTIONS — Owner / Software Developer New Providence, NJ | 2016–Present

- Lead custom web, automation, infrastructure, and IT projects using Python, JavaScript, Node.js, SQL, Linux, and cloud technologies.
- Developed Raspberry Pi and sensor integrations for automated temperature control and computing hardware management.
- Build and administer Linux-based applications, services, dashboards, and data workflows.

Blast Notifications LLC — Founder / Software Engineer New Providence, NJ | Apr 2017–Present

- Founded and developed BlastNotifications.com, a web-monitoring and notification platform built with Node.js and MySQL.
- Created automated processes that monitor web pages for newly published content and deliver timely notifications.
- Maintain application code, database operations, server infrastructure, and monitoring workflows.

NJWeb.Solutions — Software, Web & IT Projects New Providence, NJ | Ongoing

- Build and support custom web applications, Linux systems, automation, hosting, databases, and technical consulting projects.
- Develop practical solutions spanning Node.js, Python, SQL, APIs, cloud infrastructure, Raspberry Pi, monitoring, and data visualization.
- Work across software, systems, and hardware integration with an emphasis on open-source technology and maintainable deployments.

Berkshire Hathaway HomeServices — Realtor New Jersey | Apr 2017–Present

- Support residential real-estate transactions while applying technology and data analysis to market research, CRM, business development, and property evaluation.

Tradelt, Inc. — Software Development Intern New York, NY | Jun 2016–Aug 2016

- Collaborated with an experienced Amazon UX professional on an Amazon Alexa Skill for financial applications.
- Implemented voice-based functionality involving market information, watchlists, portfolios, APIs, and financial data.

DSSD / EMC — Software Quality Assurance Intern Hopkinton, MA | May 2015–Sep 2015

- Developed C and Shell programs to test enterprise storage APIs and command-line interfaces.
- Created command-line tooling for real-time hardware monitoring of enterprise flash-storage arrays.
- Installed and administered CentOS, RHEL, and SUSE Linux servers; documented defects and product improvements in Bugzilla.

Therap Services — Software Development Intern Remote | Jun 2012–Sep 2012

- Developed a Perl-based security tool for analyzing Cisco router logs and identifying potentially suspicious network activity.

SELECTED PROJECTS

ThermoHash / Compute Heat:
Linux + Raspberry Pi control software that adjusts computing/mining hardware according to temperature data for useful heat reuse.

Zillow Data Tools: Interactive ZHVI/ZORI real-estate analysis with ZIP-based comparisons, Plotly visualization, and historical time-series research.

Local AI Infrastructure:
Deployments using Ollama, AMD GPU acceleration, ROCm/Vulkan, and Linux-based local LLM inference.

ADDITIONAL TECHNICAL WORK

Built financial and real-estate data applications, market visualization tools, web dashboards, Raspberry Pi integrations, Linux automation, and experimental AI systems. Comfortable moving between software, infrastructure, hardware, and business-facing problem solving.

