

JAMES MACLACHLAN

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SENIOR SYSTEMS ADMINISTRATOR

Technically sophisticated professional with solid history of developing and programming web and Internet content to meet unique specifications

AREAS OF EXPERTISE

- Broad knowledge and expertise across server and system design, configuration, installation, testing, and administration to deliver maximum uptime, reliability, and performance.
 - Extensive technical knowledge leveraged to manage complex troubleshooting, expertly isolating root causes and facilitating swift resolutions to software bugs and system failures.
 - Success collaborating with colleagues across functions, disciplines, and organizational levels.
 - Sharp and adaptive with the ability to quickly learn and master new concepts, techniques, and technologies to meet the needs of evolving projects and dynamic organizations.
 - Dedicated to the ongoing pursuit of personal and professional development, conducting independent research and participating in industry lectures to remain on the cutting edge of technical innovation.
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PROFESSIONAL EXPERIENCE

BLUEGRASSNET, Louisville, KY

Senior Systems Administrator (2008 – Present)

Excelled as off-site Internet programmer delivering Internet content to customers specializing in Linux. Manage development and maintenance of 50 unique systems, including general web services (primary shared web hosting platform), primary email servers (two primary MX servers and primary email storage server with several thousand users), and primary DNS system (provided authoritative, secondary, and recursion). Build multiple web clusters for clients and mass hosting. Design DNS infrastructure and write synchronization code. Program custom code for integration and absent features for implementations. Work closely with web developers, network engineers, and technical staff to automate core business processes. Provide training for fellow administrators on new tools and technologies; author technical documentation to guide technical support staff in troubleshooting efforts.

Key Achievements:

- Customized a Puppet MCO cluster for Papa John's.
- Designed a complete ISP mail system with 12 node mail cluster on HA, DRBD, Postfix, and Dovecot.
- Partnered with colleagues to develop and deploy a sales statistics database for Yum! Brands.
- Wrote quality processes to automate standard administrative tasks, thereby increasing staff productivity and operational efficiency.
- Overhauled infrastructure maintenance processes, instituting the company's first-ever standard operating procedures for setup, provisioning, version control, monitoring, documentation, and reporting.
- Took the initiative to completely rebuild the organization's core systems to realize major gains in system performance, achieving an average annual uptime of 99.999%.

PHOENIX COMPUTER MANAGEMENT, LLC,

Software Developer (2006 – 2011)

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Designed and installed Linux servers for small business customers. Held full accountability for server administration and implementation. Developed and designed library for websites utilizing JavaScript. Programmed web apps in PHP and AJAX.

Key Achievements:

- Managed designated customer accounts for multifaceted engineering issues; effectively worked with customers on design and implementation.
- Patched JTAG code for flashing unsupported OpenWRT Buffalo routers using C code.

KAPTURE, INC.

Software Developer (2005 – 2008)

Worked with a team of eight developers on a web-based application. Designed and implemented demo site in PHP.

Key Achievements:

- Wrote client side code in C++ and JS for Firefox.
- Managed demo server and multiple build boxes.

James MacLachlan Business

Consultant (2002 – 2005)

Ran a consulting company handling Linux Administration, small server implementations, and web development.

Key Achievement:

- Helped two start-up companies with their IT infrastructure.

TECHNICAL PROFICIENCIES

Platforms: RHEL 4+, CentOS 4+, Redhat 5+, Fedora 4+, Debian, Gentoo, Plan9, Chromium, OSX, IOS, Catalyst Switch

Languages: C, C++, JavaScript, NodeJS, PHP, Perl, AJAX, Python, Perl, Ruby, bash, LUA, SQL, HTML, XHTML, CSS, XML (SOAP, NuSOAP, RDF, XBL, XUL, others), IDL, XPIDL, WAP, media wiki and markdown

Databases: MySQL (4+), PostgreSQL, MongoDB, Mroonga, DB4, SQLite