

PATRICK SMITH

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San Francisco, CA

github.com/murRAIN

A proactive IT Specialist with over 10 years of experience in Linux administration and software development technologies. I have a strong background in managing application development environments, utilizing automation tools to enhance operational efficiency. My expertise includes application architecture, deployment strategies, and troubleshooting complex systems, particularly within virtualized environments. I possess a solid understanding of web infrastructure, focusing on security, scalability, and performance. I thrive in collaborative team settings and am adept at facilitating problem-solving activities with development teams. Eager to leverage my skills in PHP, Python, and modern DevOps practices to contribute to the development and operational support of innovative web solutions.

Home Remodel Buddy

CTO/Co-founder

May 2011 – Current | San Francisco, CA

- Owned the development and deployment of an automated dialer using the Twilio API, enhancing customer follow-up efficiency and reducing churn by over 10%.
- Reduced AdWords conversion costs from ~\$13 to ~\$8 by optimizing keyword targeting, improving ad relevance, and redesigning landing pages to enhance user experience and drive higher conversion rates.
- Led the full-stack development of a CRM using JavaScript and PHP, optimizing contractor workflows and increasing lead management efficiency
- Leveraged JavaScript frameworks for front-end development, ensuring smooth user experience for CRM users.
- Designed and implemented RESTful APIs in PHP, integrating with third-party services to enhance functionality and scalability.
- Configured and administered bare metal Linux servers, optimizing system performance and ensuring reliability for critical operations
- Automated routine system maintenance tasks using Bash and Python scripts, reducing manual intervention and minimizing system downtime.
- Engineered and deployed comprehensive monitoring systems to ensure consistent uptime and availability for critical websites and services, enabling real-time detection and resolution of potential issues
- Diagnosed and resolved complex system issues, utilizing log analysis, network troubleshooting, and performance monitoring to restore full system functionality.
- Managed version control using Git and GitHub, facilitating team collaboration, maintaining clean commit histories and leveraging branching strategies for feature development and bug fixes
- Configured and maintained MySQL servers, ensuring data integrity, optimizing query performance, and managing backups to support high-availability applications
- Designed and implemented a comprehensive disaster recovery plan, including the creation and testing of off-site backups to ensure data resilience and minimize downtime during critical incidents
- Integrated Google Maps api to visualize coverage area for leads and to visualize leads out of coverage areas
- Quickly adopted new technologies and frameworks, with a focus on continuous learning and adapting to dynamic, fast-paced environments.

Quotify Technology Inc. (acquired by Telstra)

Media Operations Engineer

Jan 2011 - May 2011 | San Francisco, CA

- Developed custom WordPress templates to streamline and accelerate the deployment of web properties across various verticals
- Managed AdWords and increased landing page conversion from 8% to 12%

Cypress Coast Mazda Subaru

Internet Sales Manager

Feb 2010 – Jan 2011 | Seaside, CA

- Designed and executed internet marketing and direct mail campaigns to drive engagement and conversions
- Closed on 10% of leads dealership received
- Mentored and trained new sales staff in effective lead conversion techniques

Founder's Dojo

Partner

Feb 2012 – Jan 2017 | San Francisco, CA

- Guided members in developing technical Minimum Viable Products
- Helped members design and implement scalable technical systems

Skills

Programming Languages: Python, PHP, JavaScript, Node.js, SQL, Bash, Lua, C#

Front-End Frameworks: Ember, Knockout

Back-End Technologies: RESTful API development, Express,

Database Management: MySQL, Redis, Memcached

Cloud Platforms: AWS (EC2, S3, Lambda, SNS, SES), Azure

DevOps Tools: Docker

Version Control: Git, GitHub, GitLab

Operating Systems: Linux (Ubuntu, CentOS), BSD, macOS, Windows

Web Technologies: HTML5, CSS3, Responsive Web Design, JSON, XML

API Integrations: Twilio, Stripe, Google Maps API, AWS SDK

Networking: DNS, Load Balancers, Firewalls, VPN, HTTP, WebSockets

Problem-Solving: Proven ability to diagnose and resolve complex technical challenges, leveraging analytical thinking to identify root causes and implement effective solutions.

Communication: Exceptional written and verbal communication skills, adept at conveying technical concepts clearly to diverse audiences, and collaborating with team members to foster a shared understanding.

Adaptability: Thrives in dynamic, fast-paced environments, demonstrating agility in learning new technologies and adapting to evolving requirements and priorities.

Collaboration: Strong team player with experience working effectively in cross-functional teams, promoting best practices in a DevOps environment and facilitating problem-solving activities.

Leadership: Demonstrated leadership skills in managing projects from inception to deployment, providing guidance to team members, and mentoring junior developers and colleagues.

Time Management: Highly organized and efficient, capable of effectively managing multiple tasks, prioritizing high-impact projects, and meeting deadlines in demanding and collaborative environments.

Attention to Detail: Conscientious about maintaining high standards of quality in both technical execution and documentation, ensuring systems security and reliability.

Education

Associates in Science, Business/Economics
Gavilan College
Computer Science
California Polytechnic University, San Luis Obispo

Certificates

CS109x: Introduction to Data Science with Python
HarvardX (Online Learning Initiative of Harvard University) | Issued July 2025
<https://courses.edx.org/certificates/af05411c855d4ab7aaf9c8d90b29bd09>

PH125.3x: Data Science: Probability
HarvardX (Online Learning Initiative of Harvard University) | Issued July 2025
<https://courses.edx.org/certificates/73a1329507e642a0977384e4344c650e>