

Jason Crome: Programmer, Manager, and System Administrator

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Professional Summary

Twenty four years experience with programming, management, and system administration:

- Developed enterprise applications in **Powerbuilder** and **SQL Server**, including solitary, team, and management roles
- Founder and executive of nationally recognized software company
- Full-stack web application development using **Perl**, **Javascript**, and **PostgreSQL**
- Administration of **SQL Server** and **PostgreSQL** databases
- Member of the **Perl Dancer** core development team
- System administration of Windows, FreeBSD, and **Linux** servers

Skills and Expertise

Programming: **Perl**, **Powerbuilder**, Javascript, shell (zsh/bash), iOS (Swift)

Web: Apache/mod_perl, nginx, HTML/CSS, jQuery, JSON

Databases: **PostgreSQL**, **SQL Server**, **MySQL**, SQLite

Administration: Windows, **FreeBSD**, **Linux** (Debian, Ubuntu, CentOS)

Work History: Software Development

Clearbuilt Technologies, Perl Developer, September 2019-Present

- Develop and maintain custom ERP applications for various manufacturers throughout the United States using Perl, PostgreSQL, and VueJS.
- Modernize Perl development practices.
- Integrate company's Dancer2 applications with Minion job queue.

Empowered Benefits, Lead Perl Developer, December 2017-August 2019

- Develop and maintain ETL applications for Aflac and its various business partners (Delta Dental, VSP, Reliance, etc.) in Perl, using XML, JSON, MySQL, and other technologies.
- Modernize Perl development practices within the company, and get Empowered on the latest production version of Perl.
- Built a caching layer to improve application performance
- Improvement of the company's in-house framework, reducing the amount of duplicated and boilerplate code in production.
- Replaced in-house process scheduling systems with a proper job queue.
- Built and implemented a testing architecture and culture.

Reflected Networks, Senior Software Developer, May 2017-November 2017

- Maintain and develop existing client management and infrastructure management applications in Perl and jQuery.
- Develop new frontend applications in jQuery, Backbone, and Vue.js for HAProxy management and monitoring.
- Update applications to use modern Perl programming practices, and mentor all levels of developers in the ways of modern Perl.
- Built and implemented a testing architecture and culture.

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All Around the World SASU, Senior Software Architect, November 2015-January 2017

- Technical lead for Tau Station, a massively multiplayer online role-playing game (MMORPG) developed in Perl.
- Author game code as time permits.
- Train and mentor new programmers.

DEVNET, Inc., Vice President of Software Development, Sycamore, IL, 1997-2015

- Led software development with staff up to 15 people on large, complex property taxation and appraisal software for local government written in Powerbuilder and using SQL Server.
- Designed, implemented, and maintained applications in Powerbuilder, Perl, and JavaScript in solitary and team roles.
- Hired, trained and mentored new programmers.
- Created and enhanced project documentation for internal and external use.

Paul and Paloma Fashion: June 2014-July 2014

- Developed website to help client market scarves to textile wholesalers.
- Collaborated with graphics artists to create site layout.
- Constructed the site UI with HTML, CSS, and jQuery.
- Developed site backend with Perl's Dancer framework.

Supermodel in Training: March 2014-July 2014

- Designed and developed to assist up-and-coming personal trainer launch her career.
- Created a small-scale CMS to allow client to create content without developer intervention.
- Site was developed using Dancer, jQuery, Bootstrap, SQLite, and Tumblr's API.

IssueTrak: February 2008-October 2008

- Designed and built a proof-of-concept implementation of several API methods.
- Created automated tests using Perl to verify API functionality.

Perl Community Projects: 2005-present

- Member of the Dancer core development team
- Contributed code and documentation to CGI::Application and Dancer projects
- Other contributions can be seen at <https://metacpan.org/search?q=cromedome>.

Work History: Management

Empowered Benefits, Lead Perl Developer, January 2019-August 2019

- Guide, organize, and track day-to-day activities of all Empowered Perl developers
- Mentor and educate new Perl developers, and educate other Empowered employees on the roles that Perl developers fill at Empowered.
- Work with Aflac (our corporate parent) and other teams to develop the product roadmap.
- Coordinate resources with other teams at Empowered to accomplish product roadmap items in a timely fashion.

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All Around the World SASU, Senior Software Architect, November 2015-January 2017

- Technical lead for Tau Station, a massively multiplayer online role-playing game (MMORPG) developed in Perl.
- Manage 12 developers spread across 7 timezones and 4 continents.
- Liaison between AAW ownership, creative team project manager, and development staff.
- Sets policy, standards, and practices for technical team.
- Promote Tau Station and the technology driving it at conferences and meetups.

DEVNET, Inc., Vice President of Software Development, 1997-2015

- Co-founder of DEVNET Inc, DEVNET Canada Systems Inc., and Arkham Properties LLC.
- Member of Board of Directors; served at various times as corporate secretary, corporate treasurer, member of the Board of Directors, and Chief Technology Officer.
- Developed DEVNET into largest property tax and appraisal software in the Midwest and into a nationally recognized vendor of property tax solutions.
- Partnered with other organizations to integrate systems such as online payments, Geographic Information Systems (GIS), and document management (such as OnBase).
- Served as client's project manager for several large project implementations, including Hamilton County, Ohio (Cincinnati area; 400,000 properties and 140 users) and Sarpy County, Nebraska (suburban Omaha; 90,000 properties, 45 users).
- Authored and collaborated on business contracts, project bids, marketing materials, human resource policies and website articles.

Hampshire Animal Hospital/Gilberts Animal Clinic, 2001-2018

- Technology advisor on hardware and software purchases.

IssueTrak, February 2008-October 2008

- Project management for development of API access to IssueTrak software.
- Liaison between in-house and third party developers.
- Assisted technical writers in creating internal and public documentation.

Work History: Systems Administration

All Around the World SASU, Senior Software Architect, November 2015-January 2017

- Backup system administrator/devops for Tau Station.
- Works with Debian Linux, PostgreSQL, nginx, Ansible, Barman, Jenkins, and Vagrant.

DEVNET, Inc., Sycamore, IL, 1997-2015, Vice President of Business Development

- System administrator from company inception until forming of Technical Services department in 2011.

Hampshire Animal Hospital/Gilberts Animal Clinic, 2001-present

- Perform common network and system administration tasks for two animal clinics.
- Maintain and troubleshoot VPN between the clinics.

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Professional Speaking Engagements

Kishwaukee Community College, 2001-2003

- Adjunct instructor; taught several CIS classes in C and Perl.

Command Line Programming in Perl, Charlotte Perl Mongers, March 2019

Various topics, Charlotte Perl Mongers, February 2019

Modern Perl, Charlotte Perl Mongers, January 2019

Modern Web Development in Perl, Rockford Web Developers, March 2017

Tau Station: A Space Adventure for Everyone, Chicago Digital Accessibility and Inclusive Design Meetup, October 2016

Perl Development Environment Tooling, Chicago Perl Mongers, August 2016

Logging and Analytics Using Perl and Fluentd, The Perl Conference - North America, June 2016

Accessibility (a11y) in Web Sites, The Perl Conference - North America, June 2016

wEdge for County Treasurers (and Everyone Else), Illinois County Treasurers Association Summer Conference, August 2013

Integration Points for Property Tax, CAMA, and GIS, Nebraska Biennial GIS Symposium, April 2013

Optimizing SQL Queries and Processes, Presentation to DEVNET development staff, April 2010

Tax/Appraisal Solution Safari, Missouri Association of Counties Annual Conference, November 2008

Relational Databases: What You Need to Know, Illinois County Treasurers Association Summer Conference, July 2007

Things You Never Knew About SQL (But Always Wanted To) - Presentation to DEVNET development staff, March 2007

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Volunteer Experience

Grants Committee, The Perl Foundation - Voting member, 2019-present.

Grants Committee Secretary, The Perl Foundation - May 2020-present:

- Responsible for managing grant proposals, voting, and handling all administrative business of the Grants Committee.
- Represent the Grants Committee on the TPC Steering Committee.

Webmaster, The Perl Foundation - May 2020-present:

- Manage TPF website and web presence.

Professional Affiliations

Charlotte Perl Mongers (Charlotte.pm) - Organizer, founder, and speaker.

Chicago Perl Mongers (Chicago.pm)

Madison Perl Mongers (MadMongers.pm)

Chicago Digital Accessibility and Inclusive Design

Rockford Web Developers

International Sybase User Group (ISUG - now Independent SAP User Group)