

# Jesse Portnoy

MULTIDISCIPLINARY PROGRAMMER · BUILDER & PACKAGER · AUTOMATION ENGINEER

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## Skills

<b>Programming</b>	C, PHP, Perl, JavaScript/NodeJS, Dart/Flutter, BASH; varying degrees of experience with Ruby, Python, Java and others
<b>Build &amp; Packaging</b>	GNU tool chain ['make', GCC, 'ld', GDB, etc], RPM, deb/dpkg, NPM, Ruby Gems, PIP, Maven
<b>DevOps</b>	LAMP, Nginx, AWS, Google Cloud Platform, Docker, Vagrant, Travis CI, GH Actions, Ansible, Chef, Nagios, Prometheus
<b>Languages</b>	English, Hebrew, conversational Spanish

## Experience

### Kaltura

SENIOR DEVELOPER - SOFTWARE PACKAGING AND OPEN SOURCE

Jan 2014 - Present

- Packaging software as 'RPMs' and 'debs' to allow community contributors and customers to install and upgrade our products.
- Writing custom modules (mostly in PHP) as per customer requirements
- Installing, customising and maintaining community related systems such as the [Developer Portal](#), [Forum](#), multiple technical documentation portals, analytics system, community contributions board, 'CLA', etc
- Working closely with code contributors as well as testers and documenters to ensure their contributions are aligned with Kaltura's standards and are adopted by our Core development team
- Giving technical talks at various conferences (see "Presentations" section below)

### Kaltura

DEVOPS/PRODUCTION IT

Jun 2013 - Feb 2014

- Writing deployment scripts, system monitors and web interfaces to automate Production operations
- Deployment and configuration of infrastructure systems/services, as well as network equipment (switches, load balancers, etc)
- Build and Packaging of in-house and third party software
- On call troubleshooting of system and application level issues in Production

### Kaltura

BACKEND DEVELOPER - PROFESSIONAL SERVICES

Feb 2012 - Jun 2013

- Deploying the platform on customer infrastructure [also known as 'OnPremise']
- Writing custom modules (mostly in PHP) as per customer requirements
- Writing Bourne Shell/BASH and Perl scripts to achieve various automation goals
- Assisting colleagues with system level Linux issues, troubleshooting and custom solutions

### ICAP

BUILD, PACKAGING AND INTEGRATION ENGINEER

Sep 2011 - Feb 2012

- Packaging the software as RPM packages as well as writing and maintaining various post installation scripts [mostly in Bourne shell and Perl]
- Assisting other development teams with issues encountered while working on their respective projects
- System administration of internal development servers

### Triana

APPLICATION ENGINEER/DEVOPS

Dec 2010 - Sep 2011

- Managing the hosting environment and supporting services
- Installing and upgrading the company's products [hosted in a dedicated data-centre]
- Nagios - the monitoring system: maintaining the 'Nagios' nodes, erecting new 'Nagios' instances when needed (for production or lab testing), and constantly developing and revising existing monitors in accordance to business needs
- OSSEC - researching the system and designing/adopting rules and policies, devising tests to ensure the rules protect the system from various threat scenarios and documenting the system and 'Traiana's' use of it
- Assisting the IT team with various automation tasks [mostly using Perl] on both Linux and Cisco equipment

### eBay

PERL DEVELOPER AND SYSTEM MAINTAINER

Jul 2010 - Dec 2010

- Maintaining backend infrastructure [legacy code written in Perl, newer code in Java]
- Addressing technical queries made by multiple teams and ensuring the reported issues are resolved and their origins are fully understood so that they can be avoided in future
- Writing utilities to allow non-technical teams to keep track of the data flowing through the system

## Zend

TEAM LEADER - INFRASTRUCTURE DEVELOPMENT

May 2006 - Jun 2010

- Porting and compiling code [mostly using the GNU tool-chain] written by the various development teams [C/C++] on all supported Unix platforms [Linux, Solaris, Darwin, AIX and FreeBSD] as well as third party [mostly open source] software while creating and maintaining patches when needed
- Packaging the software; DEB and RPM packages for Linux, as well as writing and maintaining homemade installers for other UNIX-based systems
- Integration cycles with the QA team and sibling development teams

## Aduva

INTEGRATION DEVELOPER

Oct 2005 - May 2006

- Inspecting packages released by different Linux distributions and Sun Solaris to ensure their integrity by utilising Aduva's technology and releasing it for customer consumption
- Maintaining lab hosts of different capacities [both clients and servers]
- Assisting QA and Support personnel with technical inquiries

## Golden Lines

SENIOR TECHNICAL SUPPORT ENGINEER

Jan 2002 - Aug 2005

- Providing technical guidance to the technical support staff
- Troubleshooting complex technical issues the Support team failed to address
- Interacting with various technical departments on behalf of the technical support team

## Presentations

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### O'Reilly OSCON

OREGON, US - JUL. 2014

[Debugging LAMP Apps on Linux/UNIX Using Open Source Tools](#)

### Nagios World Conference

MINNESOTA, US - SEP. 2015

[Debugging Nagios Plugins](#)

### FOSDEM - Free and Open source Software Developers' European Meeting

BRUSSELS, BELGIUM - FEB. 2016

[Cloud Transcoding Architecture with FFMPEG; Scale and Distribution with Kaltura Transcoding](#)

### FOSDEM - Free and Open source Software Developers' European Meeting

BRUSSELS, BELGIUM - FEB. 2017

[Live Streaming with Nginx, RTMP and Kaltura](#)

### O'Reilly OSCON

OREGON, US - JUL. 2018

[FFmpeg: The media Swiss Army knife](#)

### FOSDEM - Free and Open source Software Developers' European Meeting

BRUSSELS, BELGIUM - FEB. 2018

[video - It's a lot more than just a HTML5 tag Manipulate Media from the comfort of your shell](#)

### FOSDEM - Free and Open source Software Developers' European Meeting

BRUSSELS, BELGIUM - FEB. 2019

[Migrating from Adobe Connect - the Victory of FOSS Over Proprietary Software](#)

## Articles

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[Take your BASH scripting seriously](#), May, 2023

[Don't forget to FLOSS](#), Apr, 2023

[API Inside-Out](#), Jun, 2014

[Automatic Scaling with Chef and Kaltura API](#), Dec, 2014

## Honours & Certifications

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2022 [OpenUK Honours List](#), OpenUK

2007 [Zend Certified Engineer \[ZCE\]](#), Zend