

# William Castrogiovanni

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11434 Calvert Street #37 • North Hollywood, CA 91606 • (818) 763-0637 • info@hirebill.com

**PORTFOLIO**      <http://tech.hirebill.com/portfolio/>

## SKILLS

### Specialties:

Linux Administration, Web Application Architecture, AWS, Apache, DNS

### Programming Languages, Development Tools & Environments:

PHP, Perl, Bash, Python, Javascript, HTML, Objective-C, Java, PostgreSQL, MySQL, Git, Subversion, Puppet, Chef, Terraform

### SAAS/PAAS:

CloudFlare, SendGrid, Pagely, RightScale, Akamai

### Operating Systems:

Linux, Mac OS X

## EMPLOYMENT HISTORY

### FREELANCE PROGRAMMING

JANUARY 2001 – PRESENT

#### Mission Summary:

- Developed Technical Specifications for a variety of clients
- Built Web Applications in **PHP**, **Visual Basic**, **Perl**, **Javascript**, **HTML**

### WARNER BROS

#### CLOUD ARCHITECT; CONTRACT

FEBRUARY 2018 – PRESENT

**Code Name:** *Alchemist*

#### Mission Summary:

- Designed and Built WB AIO's Infrastructure as Code Toolkit in **Terraform**, **Bash**, and **Python**
- Developed CI/CD Workflows around WB AIO's **GitLab** and **GitHub** Code Bases
- Devised a "Push-button" WordPress Workflow to rapidly standup highly secure and scalable WordPress instances using **ECS Fargate**, **ElastiCache**, **RDS**, **CloudFront**, and **S3**
- Advised Developers on Application and Infrastructure Architecture
- Researched, Evaluated, and Integrated new **AWS Services** into WB AIO's Technology Stack
- Implemented Security Standards and Established Coding Conventions and Best Practices
- Produced Promotional Videos Showcasing WB AIO's Core Services

#### About the Code Name:

With an eye towards simplifying and standardizing our hosting platform, I helped create WB AIO's Infrastructure as Code Toolkit. The framework includes a series of interlocking Terraform modules that can be pieced together like Lego blocks, allowing us to stand-up arbitrarily complicated environments with minimal configuration. My contributions included a plug-and-play CI/CD Pipeline module for ECS, a CloudFront + S3 module for hosting static content, and an ECS Fargate Cluster module with a built-in development terminal and support for EFS.

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## WARNER BROS

### SENIOR DEVOPS ENGINEER

OCTOBER 2012 – NOVEMBER 2017

Code Name: *The Ambassador*

#### Mission Summary:

- Managed 1,500+ web applications and 26,000+ domains
- Provided Advanced Support for a wide range of technologies and platforms including: **PHP/Laravel, WordPress, Java/Tomcat/Glassfish, Ruby on Rails, NodeJS, Apache, MySQL, AWS** (EC2, S3, EBS, EFS, ELB, RDS, Elasticache, Lambda, CodeDeploy, Route53), **CloudFlare, Akamai, Level3, Limelight, and SendGrid**
- Migrated Numerous Web Sites and Applications from Physical Data Centers to AWS
- Automated Infrastructure Designs with **Terraform, Chef, and Puppet**
- Provided Architectural Guidance and Application Design Strategies to Developers
- Led Incident Investigations and Postmortem Discussions
- Trained Tier 1 Support Engineers
- Implemented Continuous Integration with **Jenkins** and **AWS CodeDeploy**

#### About the Code Name:

My detailed documentation and ability to simplify complicated concepts made me a principal liaison between WB's technical and creative teams. I became the first non-executive sent abroad by our division, in order to personally train our offshore support engineers.

## ANIMATED DESIGNS, LLC.

### SENIOR APPLICATIONS DEVELOPER

APRIL 2006 – OCTOBER 2012

Code Name: *Nighthawk*

#### Mission Summary:

- Implemented and Trained Employees in numerous Development Best Practices, including Bug Tracking (**Mantis**), Version Control (**Subversion, CVS**), and Content Management (**Alfresco**)
- Architected and Administered cloud-based infrastructure via **RightScale** and **Amazon EC2, EBS, ELB, and S3** technology
- Stabilized and Improved legacy **PHP** code base
- Designed and Implemented **PostgreSQL** and **MySQL** databases
- Built a System Imaging Server for Rapid Configuration of new hardware
- Designed and Built N-Tiered System Architectures around **Apache, Tomcat, and JBoss**
- Prototyped Mobile Web Applications for the iPhone using **Objective-C** and **Ruby on Rails**
- Performed System Admin Duties, including DNS/Mail Server Configuration, Managing User Accounts, etc.

#### About the Code Name:

When I stick my talons into a project, I often won't let go until the job is done. At Animated Designs, this tendency resulted in many late-night code commits and made me an invaluable first-line of defense in off-hour emergencies.

LIST OF REFERENCES AVAILABLE UPON REQUEST.

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**ONSHORE, INC.**  
**PRODUCTION MANAGER/LEAD PROGRAMMER**  
**Code Name:** *The Plumber*

AUGUST 1997 – DECEMBER 2000  
OCTOBER 1999 – DECEMBER 2000

**Mission Summary:**

- Analyzed RFPs and Advised the sales department on project proposals
- Penned detailed functional/technical specifications and timelines
- Constructed production strategies and foundation code
- Developed Applications/Trained employees (in **Perl, Apache, HTML, CVS, WebObjects, Unix**)
- Stood as chief liaison between onShore and its clients, between upper management and the production staff, and between the company's design and development teams.
- Oversaw the complete production cycle for numerous projects

**About the Code Name:**

As a very technical, hands-on manager with a knack for punctuality, I gained the (oft cursed) reputation of being "the guy who can close onShore's delinquent projects". Many times, said projects were reassigned to me, under the auspice that I could set things straight. Whether overseeing other staff members or debugging code myself, I was able to complete the problem projects while maintaining diplomatic ties with onShore's clients.

**ONSHORE, INC.**  
**MULTIMEDIA PRODUCTION ENGINEER**  
**Code Name:** *Chameleon*

AUGUST 1997 – DECEMBER 2000  
AUGUST 1997 - OCTOBER 1999

**Mission Summary:**

- Developed and Maintained web-based applications (with **WebObjects, Perl, Director/Lingo, Macromedia Generator, HTML, Apache XSSI, Cold Fusion, SQL, Java, Javascript, ASP**)
- Wrote technical documentation for site users and tool maintainers
- Administrated staging servers and live web sites (maintained **CVS** repositories, **Apache**, etc.)
  
- Tested applications and reported bugs via **Bugzilla**
- Deployed/Installed completed projects (ran **Make**, configured servers, etc.)
- Trained clients in web site maintenance/administration
- Standardized onShore's multimedia production workflow
- Co-managed projects

**About the Code Name:**

Eager to continue learning (and always a quick study), I researched and absorbed many disciplines while working for onShore. Capable of analytic thought and artistic expression, my time was often shared between the company's design and development teams.

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## **SCHOOL OF THE ART INSTITUTE OF CHICAGO**

### **CONTINUING STUDIES TEACHER**

FEBRUARY 1998 - DECEMBER 2000

#### **Mission Summary:**

- Taught courses in **HTML/Web Design** and **Director/Lingo**
- Installed and Configured a Linux server (with **Apache, ftpd, sshd**)
- Administrated users
- Maintained web sites for each class
- Created programming exercises

## **ACF COMPUTER LAB, NYU**

### **LAB ASSISTANT**

SEPTEMBER 1996 - MAY 1997

#### **Mission Summary:**

- Solved users' software problems
- Offered support/training in a variety of applications
- Maintained the lab's Macs and PCs

## **EDUCATION**

### **New York University, Tisch School of the Arts**

B.F.A., Film and Television / Minor: Computer Applications;

June 1997

Overall GPA: 3.9

Relevant Courses: Computer Programming, Web Design

### **College of DuPage, Glen Ellyn, Illinois**

Coursework in Computers, Writing, Logic, Physics; Spring 1995

Overall GPA: 4.0

### **University of Southern California, Los Angeles, CA**

Coursework in Film, Astronomy, Writing, Spanish; Fall 1994

Overall GPA: 3.9