

Professional Summary

Innovative full-stack developer and cybersecurity specialist with 15+ years experience. Graduated in 2008, worked for two prestigious cybersecurity firms in Paris, then moved to webdesign and software for the television industry. Moved to Australia in 2013 and has been working for digital agencies doing both back and front-end development.

General

Born 29/12/1985 (37 y.o.)

Website, Portfolio, Profiles

- www.cyprien-clerc.com
- www.futureseeds.news

Skills

- IT Security: penetration testing, static code analysis tools, security hardening, DevSecOps (+AWS), OAuth, policies
- General Skills: Git, UML, Agile/Scrum, CI/CD, Zoho/JIRA/Trello
- Compiled Languages: Typescript, C/C++, JAVA, Borland Pascal
- Interpreted Languages: Javascript, PHP + Laravel, Shell, Python
- Web Technologies: ReactJS, VueJS, AngularJS, jQuery, Bootstrap, HTML5, CSS3 and SCSS, Wordpress

Work History

LEAD DEVELOPER AND SERVER SECURITY HARDENING, 11/2017 - Current

Virtual Creations, Remote

- Security hardening on Virtual Creations' servers, currently hosting thousands of websites
- Big development projects included automating a real estate agency, connecting a microloan business to big financial institutions (Equifax), and connecting third-party payment systems (Zepto) through their APIs
- Updated old code bases to modern development standards, improving functionality.
- Developed responsive web-based software based on CSS3/SCSS, PHP/Laravel, Javascript/Typescript, ReactJS, and jQuery.
- Collaborated with clients and project managers to select ambitious, but realistic coding milestones on software project development.
- Led version control efforts for organization, employing SVN Server.
- Pioneered new methods of code review and ideation, enhancing final products with ideas otherwise overlooked.

SOFTWARE DEVELOPER, 11/2021 - 02/2022

TheTot.com, Remote

- Worked alongside CTO and testing team to track and fix bugs before big Christmas sales.
- Tools and environment: JIRA, PHP, Wordpress, CI/CD, ElasticSearch, Redis, Amazon AWS (+ ngrok)
- Collaborated on stages of systems development lifecycle from requirement gathering to production releases.
- Participated in software field testing to verify in-situ performance of developed projects.

WORDPRESS/WOOCOMMERCE DEVELOPER, 03/2017 - 09/2018

Omniblend, Remote

See www.omniblend-france.fr and www.toruscoldpressjuicers.com.au

- Studied and analyzed client's project and offered candidate technical solutions
- Redacted project specifications
- Developed two complex eCommerce platforms requiring lots of custom code
- eCommerce Management and Training

WORDPRESS DEVELOPER, 10/2016 - 01/2017

NTechMedia, Lismore, NSW

- Installed required plugins and additional coding to fit final design and functionality requirements.
- Implemented website maintenance, content management, updates and security hardening to hundreds of websites.
- Designed and implemented website from initial concept, site architecture and wire frames to finished deliverable.
- Converted design assets into component-based HTML, CSS and JavaScript.
- Leveraged strong understanding of WordPress core to manipulate admin and theme components.

WEB DEVELOPER, 04/2015 - 06/2015

MRK Development, Remote

- Developed Kiosk System based on PHP/Laravel and AngularJS. Also created a script for the streamlined installation process of a kiosk on Windows 8.1.
- Worked on Wordpress websites, and coded custom plugins and scripts, based on Bedrock, HTML, CSS, JavaScript and jQuery.
- Planned website development, and provided front-end website development converting mockups into usable web presence with HTML, JavaScript, AJAX and JSON coding.
- Oversaw back-end development using PHP, Composer and Laravel to maintain website integrity, security and efficiency.

WORDPRESS DEVELOPER, 03/2012 - 09/2012

Cybelle Mediterranee, Remote

- Google Maps API development: developed a collaborative tool aiming to track geolocation of sea creatures, divers and boats.
- Leveraged strong understanding of WordPress core to manipulate admin and theme components.
- Installed required plugins and additional coding to fit final design and functionality requirements.
- Designed and implemented website from initial concept, site architecture and wire frames to finished deliverable.
- Converted design assets into component-based HTML, CSS and JavaScript

SOFTWARE DEVELOPER AND PRODUCT MANAGER, 09/2010 - 03/2011

Ninsight, Montpellier, France

Ninsight was a Television Broadcasting Software Company. We worked with Borland Delphi, and communicated with the API provided by the Omneon hardware.

- Gathered and defined customer requirements to develop clear specifications for project plans, especially desired features and efficient user interface
- Followed agile methodologies and development best practices to enhance product development.
- Collaborated on stages of systems development lifecycle from requirement gathering to production releases.
- Collaborated with CEO and CTO to select ambitious, but realistic coding milestones on pre-release software project development.

JAVA / GWT DEVELOPER, 03/2010 - 09/2010

Tela-Botanica, Montpellier, France

- Quickly learned new skills and applied them to daily tasks, improving efficiency and productivity. Technologies: Java / GWT / GXT, SVN, SQL, JSON, REST API, UML
- Code review and analysis before product launch.
- Demonstrated respect, friendliness and willingness to help wherever needed.

IT SECURITY ENGINEER, 03/2008 - 01/2009

LEXSI, Sogeti ESEC, Orange R&D, Paris, France

During this period, I accomplished two big missions, and several short ones.

Mission number 1: Developed a script to automate security configuration audits and produce a report.

Mission number 2: Hardened the security of Orange R&D's servers.

I also performed penetration testing, wrote technical articles for the company's newsletter, and participated in the editing of quotes and commercial offers.

- Developed a fully-fledged security audit software (Shell scripting & HTML Reports).
- Security Hardening with GrSec and C/C++
- Performed risk and vulnerability assessments and provided results and recommendations to senior management (PenTest, security scanners, exploits and Metasploit)
- Validated and verified system security requirements definitions and analyzed system security designs.
- Applied leading theories and concepts to development, maintenance, and implementation of information security standards, procedures, and guidelines.

SOFTWARE DEVELOPER, 06/2007 - 07/2007

INRA/SupAgro, Montpellier, France

I received an urgent request to develop an authentication program to connect the institute's computers to an LDAP server with Kerberos authentication. The institute was using a commercial program and their license was expiring. I was given 2 months to find a solution and develop it. I accomplished the task successfully, to the point that today my solution is not only used for the department that hired me but for the entire branch of that university. Environment and tools: C++, Kerberos, LDAP, UML

SOFTWARE ENGINEERING INTERN, 01/2006 - 06/2006

UFR Montpellier/LIRMM, Montpellier, France

In a team of 4 people we developed an Intrusion Detection System. The application was made up of two main components: network detection and system detection. We used signature analysis, matching our signature parser with the most renowned Intrusion Detection System's parser (Snort), which made it possible to use its signature database. My part of the project was to develop the parser and the network analysis component.

- Collaborated with software engineers to develop and test application procedures for system efficiency.
- Prepared design documents, alignments, specifications, criteria details and estimates.
- Coded parsing software based on C++, OpenSSL, and Bison/Flex

WEB DEVELOPER, 02/2005 - 08/2005

Mas Careiron Hospital, Uzes, France

When I arrived, the hospital had no information system, except for the boards installed in the main building. For an institution of that size - 15.000 people and 27 sites - it was highly inefficient and impractical. I developed a web-based intranet for internal communication. My first task was to go and speak with the chief health officers and study their needs. I then built up a custom CMS, creating customized components for hospital communication, and manageable pages. The intranet is still the main information system used within the hospital.

- Customer research and interviews and mockup design.
- Coded websites using HTML, CSS, JavaScript and jQuery languages.
- Planned website development, converting mockups into usable web presence with HTML, JavaScript, AJAX and JSON coding.
- Oversaw back-end development using PHP to maintain website integrity, security and efficiency.

Education

Master Of Science: Information Security

ISTIC / University Of Computing And Technology - Rennes, France, 06/2008

Master Of Science: Network And System Administration

Faculté De Sciences, Université Montpellier II - Montpellier, France, 06/2007

Bachelor Of Science: Software Engineering

Institute Of Technology, Université Montpellier II - Montpellier, France, 06/2006

Entrepreneur Growth Accelerator Program: Business

ILab Entrepreneurs Resorts - Bali, 11/2019

Communication & Leadership (Harvard-certified): Sales And Marketing Education

Dale Carnegie - Montpellier, France, 02/2006

12-Weeks Program

Cert IV Training And Education (TAE): Education

Envirotech - Burleigh Heads, QLD, 04/2016

No Degree: Public Speaking

Toast Masters - Byron Bay, NSW, 06/2021

Weekly workshops with Toastmasters, from September 2020 to June 2021

No Degree: Business

Jade Green Business Training & Coaching - Remote, 05/2021

6 months Business Training and Coaching with Jade Green (Barrels and Business: www.barrelsandbusiness.com)

Podcast host & Event organizer

FutureSeeds is a series of events and a podcast which aims to share solutions to our world's problems. Topics include but are not limited to Technology, Ecology, Economy, Community and Spirituality. See www.futureseeds.news

Referees

Grégoire Duché, Product Manager at news.com.au, Sydney, gregoire.duche@gmail.com, 0401581320

Mark Virtue, CEO of Virtual Creations , mark@virtualcreations.com.au, 0280054277

Andrew Croll, CEO of Croll Real Estate, andrew@croll.com.au, 0409530133

VISA

Australian PR, French Citizenship, USA Citizenship

Social Media

- LinkedIn Profile: <https://www.linkedin.com/in/cyprien-clerc-5186016>
- Facebook Profile: <https://www.facebook.com/cyprien.clerc>