

Spencer Nusbaum

Software Developer

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See my visual online Software Development portfolio:
<https://MiniDevOps.com>

Email:
CppObjectOrientedProgrammer@gmail.com

Phone (Call or Text):
(360) 910-2199

YouTube Channel (C++ emphasis, and generally game hacking videos):
<https://www.youtube.com/c/CppObjectOrientedProgrammer>

Skills

Languages:

- C++
- PHP
- HTML
- CSS
- JavaScript
- jQuery
- Bash
- C
- Python
- Java
- C#
- x86 assembly (very limited experience)

Tools/Software I've Used:

- Git
- Atlassian Jira
- Atlassian Bitbucket
- Atlassian Confluence
- Jenkins CI/CD,
- Qt Framework for C++
- Wordpress
- WooCommerce
- Shopify
- Bootstrap
- MySQL
- phpMyAdmin
- Ubuntu / Mac / Windows OSes
- Inno Setup
- Visual Studio Code
- Microsoft Visual Studio
- Android Studio
- Qt Creator
- Terminal
- Command Prompt
- Emacs
- Vi
- Yocto Project

Other Relevant Experience:

- Strong object-oriented software design and development approach
- In depth ethical hacking and security knowledge for proactive secure development practices
- Electrical experience - commonly with a Raspberry Pi, ESP-32, or Arduino, typically for home device control and monitoring projects. I've automated my lights to my washing machine at one point
- In-depth understanding of TCP/IP networking experience - ranging ethernet cable making, switch configuring, networking configuring, and firewall configuring
- Fascinated with how things work - down to the individual components, that together, make something work

Experience

Something Clever Creative Production / Lead Software Developer

OCTOBER 2016 - PRESENT, BEAVERTON OREGON

- Designed and developed software solutions that manage and apply photo and video effects for photo/video booths at Comic-Con and other expos
- Made online-only photo personalization websites for various brands, that allow fans to create custom collectables
- I developed solutions that were customized for Chevrolet, Xbox Game Pass, DEKALB, ASGROW, and others
- Integrated with different badge platforms - both Qr code based badges, and RFID badges
- Utilized a variety of APIs, including: event specific attendee information APIs, PHPMailer library and Sendgrid API for email, twilio API for MMS, Facebook/Instagram/Twitter for social media sharing
- Worked and integrated with many softwares/libraries/frameworks including: Adobe After Effects, FFmpeg, the C++ Qt framework, QZXing (barcode processing library), PHPMailer
- Collaborated with a variety of people, of many different backgrounds

Graphic Products / Software Developer I

AUGUST 2018 - JULY 2021, BEAVERTON OREGON

- Worked to update and bug-fix software for industrial safety label printers
- Created an updater/installer software and DevOps flow to prevent users from having to update via an SD card, and for us to manage our releases more easily and regularly
- Worked on cross-compiler toolchains for updates and new products using the Yocto project
- Improved the development flow for our software team - by making a tool to coordinate our Atlassian software management products Jira and Bitbucket, along with the Jenkins CI/CD software, to provide specific automated builds on every push, as well as update Jira with build result information and links

Awards

2013 - 1st Place at Washington State University's Imagine Tomorrow Competition

- Received 1st place and \$10,000 in the Technology category at the Washington State University's Imagine tomorrow in 2013 for a project I led
- Designed and developed a wireless intelligent home energy automation and monitoring system - which included making a management website, along with developing the electronics for the power outlet control and power monitoring, as well as the switch and RFID reader monitoring.
- By automating when devices are provided with a complete circuit, and coordinating with a typical 9-5 work schedule, we calculated a reduction of wasted home power of 40%

Education

Washington State University / Social Sciences Degree, Digital Technology and Culture minor

JANUARY 2014 - MAY 2018, WASHINGTON STATE UNIVERSITY, VANCOUVER
WASHINGTON