

Front End Developer Front End Developer Front End Developer Dale City, VA Self-taught security focused developer and systems administrator looking to move ahead with. career Authorized to work in the US for any employer Work Experience Front End Developer Feature Complete Ltd - London December 2016 to January 2017 UK - Developed UI pieces for an app that aggregated data points from varied sources - Configured Redux to store app state globally - Developed code using functional programming best practices to assist in testing without harnesses - Developed tests using Jest and node.js Software Developer Legion Labs - Detroit, MI October 2015 to March 2016 - Developed webRTC components to allow users to speak with each other while working - Developed an application specific SDL to allow non-coders to code in the work context - Developed the apps mongodb backend - Integrated an existing online drawing app into meteor - Integrated Amazon's Mechanical Turk into the app to allow a fluid workforce Remote System Administrator Ntiva - Tysons Corner, VA February 2015 to August 2015 - Troubleshoot issues with Terminal Server sessions - Troubleshoot VPN and firewall issues - Supported over 300 clients, each with unique network and Active Directory configurations - Handled network outages with clients - Assisted with maintenance and upgrades of servers and workstations - Troubleshoot issues on Windows XP, 7, Server 2008, Server 2012 - Troubleshoot issues on OS X - Troubleshoot issues on BlackBerry, Apple, and Android smartphones - Troubleshoot network issues Cloud Administrator JHC Technology - Waldorf, MD September 2014 to February 2015 - Spun up servers as needed during infrastructure development - Assisted in the development of proposals for contracts - Troubleshoot issues in existing servers - Set up and deployed web servers for clients - Managed some of the client satisfaction aspects as needed - Configured AWS and client networks as demand needed Remote Systems Administrator Ntiva - Tysons Corner, VA May 2014 to September 2014 - Answered calls and created tickets for incoming issues - Prepped new machines for deployment in clients domains - Add/changed/deleted users from domain - Performed complete new user preparation for incoming new hires at various clients - Performed network administrator tasks and maintenance - Performed domain administrator tasks and maintenance Tier 2 Desktop Support Analyst National Cancer Institute - Bethesda, MD February 2014 to May 2014 - Used ServiceNow to

manage tickets - Performed backing up and reimaging of encrypted laptops and desktops - Troubleshoot LAN and hardware issues - Provided support for approximately 300 users and their devices, half of which were Apple products - Troubleshoot issues with accessories such as specialized printers and PIV card readers - Managed some aspects of Active Directory including user creation - Troubleshoot issues with network devices - Troubleshoot issues with Windows XP, 7, and various flavours of OS X - Troubleshoot issues with BlackBerry and Apple smartphones IT Specialist Job Corps - Harpers Ferry, WV April 2011 to October 2012 - Performed all IT aspects for a location with about 250 users and 500 devices - Performed installation, maintenance, and troubleshooting of issues on networking devices including switches, routers, and firewalls - Managed the deployment of 200 new machines - Trained IT students with real world problems - Provided guidance on what should be included in center budget as it related to IT - Troubleshoot Cisco IP phone problems - Consulted on the development of IT curriculum for the centers IT program Education High school or equivalent Skills JAVASCRIPT, METEOR, NODE.JS, MONGODB, LINUX (4 years), React (3 years), React native (2 years), Python (1 year), Kali (2 years), Nmap (2 years), Reverse engineering (1 year), Windows (5 years), Eslint (2 years), Webpack (2 years), Git (4 years), JQuery (5 years), Express (4 years), Redux (3 years), ES6 (3 years), Agile (3 years), Rest (4 years), Aws (3 years), Cloud (4 years), SQL (Less than 1 year), Penetration testing (2 years), Vulnerability assessment (2 years), Jest (2 years), Mocha (2 years), Docker (2 years), Salt (1 year), Remote support (3 years), Desktop support (4 years), Active directory (4 years), Windows server 2008 (3 years), Windows 7 (5 years), Windows server 2012 (1 year), RDP (3 years), Troubleshooting windows (5 years), Windows administration (5 years), SPA (3 years), Outlook (4 years), Microsoft Office (5 years), Terminal servers (5 years), Firewalls (3 years), Routers (4 years), Switches (5 years), Windows administration (5 years) Links <http://Linkedin.com/in/nick01584> Certifications/Licenses CompTIA A+ September 2011 to September 2014 CompTIA Network+ September 2011 to September 2014 CompTIA Security+ September 2011 to September 2014 Publications Unpacking RIG EK shellcode using ESIL <https://medium.com/@nicholas.rafter/unpacking-rig-ek-shellcode-using-esil-71aba07366b0> 2017-02

Apparition: Crowdsourced User Interfaces That Come To Life As You Sketch Them
<https://hci.stanford.edu/publications/2015/apparition/apparition-CHI2015.pdf> 2015-10 Prototyping allows designers to quickly iterate and gather feedback, but the time it takes to create even a Wizard-of-Oz prototype reduces the utility of the process. In this paper, we introduce crowdsourcing techniques and tools for prototyping interactive systems in the time it takes to describe the idea. Our Apparition system uses paid microtask crowds to make even hard-to-automate functions work immediately, allowing more fluid prototyping of interfaces that contain interactive elements and complex behaviors. As users sketch their interface and describe it aloud in natural language, crowd workers and sketch recognition algorithms translate the input into user interface elements, add animations, and provide Wizard-of-Oz functionality. We discuss how design teams can use our approach to reflect on prototypes or begin user studies within seconds, and how, over time, Apparition prototypes can become fully-implemented versions of the systems they simulate. Powering Apparition is the first self-coordinated, real-time crowdsourcing infrastructure. We anchor this infrastructure on a new, lightweight write-locking mechanism that workers can use to signal their intentions to each other.

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