# EXPERIENCE

## Physna | Columbus, OH | *2021 - Present*

### SENIOR SOFTWARE ENGINEER - *Nov 2021 - Present*

Provide full-stack enterprise web application development, including CI/CD management, front-end architecture, and back-end services.

* Scaled Google Cloud Run crawler from maximum of 2 instances to 400 instances that can handle 128 concurrent requests each to support 70 active domains.
* Implemented MongoDB Atlas search to provide performant search and sort to Thangs.com.
* Supported data flow and batch operations in Python to support various functions of search on Thangs.com
* Leveraged a Hexagonal Architecture to provide TypeScript microservices to a REST API.
* Developed an in-house FilterExpression language to normalize REST queries.
* Architected and managed a Google Cloud Run NextJS React application.

## Formidable Labs | Denver, CO | *2020 - 2021*

### SENIOR SOFTWARE ENGINEER - *April 2020 - November 2021*

Provide software solutions as a consultant working on client teams, open-source contributions, and through an advisory role.

* Improved the UX and performance of a global fast-food chain’s restaurant locator.
* Worked with a Big Data client to build GraphQL APIs and user interface.

## World Wide Technologies | Denver, CO | *2018 - 2020*

### SOFTWARE ENGINEER – *November 2018 - April 2020*

Provide software solutions as a consultant through agile practices, TDD, and paired programming.

* Tech lead and contribute to a VueJS web application that interfaces with NodeJS and Python to test hardware configurations on a network.
* Contribute to a React/Redux CQRS driven Electron application to provide a POS, fulfillment, and distribution interface.
* Contribute to an Angular JAM stack application to enable users to manage HSA contributions, reimbursements, and bill payments.
* Contribute to React web/Native hybrid application with shared code to provide a dashboard for a customer rewards program.
* Contribute to React/Redux application with Java Spring boot backend to display real time information of network connected hardware devices.

## **Victoria’s Secret** | Reynoldsburg, OH | *2015 - 2018*

### FRONT END WEB ARCHITECT – *August 2018 - October 2018*

Provide platform guidance on JavaScript solutions, API design and 3rd party integrations. Also responsible for developing framework updates, build scripts, and Node applications.

* Contributing to features and bug-fixes to in-house React/Vue like framework utilizing Test Driven Development (TDD) practices.
* Contribute to application middleware in NodeJS Connect driven component library.
* Educate developers through in-house blog contributions, for example ‘Proxying an API with Charles to debug on an Android Emulator”, which decreased bug triage time and enabled developers to code device specific updates.
* Ensure consistent SEO by compiling a templated robots.txt with dynamic CMS site data inside of a CI/CD build.
* Enable a personalized user experience by collaborating with a 3rd party vendor (Certona) to implement personalization metrics while adhering to restrictions on Personally Identifiable Information (PII).
* Provide guidance to digital platform teams on best practices, design patterns, and testing strategies.
* Ensure codebase documentation remains up to date with JSDoc automated deployments.
* Develop utilizing modern ES6+ JavaScript features.
* Develop and maintain NodeJS applications.

### LEAD FRONT END WEB DEVELOPER – *October 2017 - July 2018*

Mentored and led a team of developers by evangelizing test driven development, functional programming ideologies, and egoless programming. Contributed to REST API design and main commerce application (victoriassecret.com).

* Managed team of 3 on-site developers, and 2 developers in our Bangalore office.
* Utilize INVEST backlog grooming strategy to clearly define deliverable requirements through Jira.
* Mentor Junior and Middle developers on best practices, design patterns, and testing strategies.
* Work directly with internal business partners to problem solve business oriented feature requests.
* Model API data through consumer driven RAML contracts.
* Utilize functional programming practices to consume REST API data, and Redux to manage state transitions.
* Utilize Jasmine, Karma, and Selenium (Sauce Labs) to provide high code coverage.

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### SENIOR FRONT END WEB DEVELOPER – *May 2017 - September 2017*

Provide DevOps recommendations on the best fit of software for bundling, building, testing, deploying, and monitoring for complete overhaul to technology stack and code delivery pipeline.

* Shift monolithic codebase paradigms into well tested single purpose npm packages.
* Stood up Bamboo CI/CD pipeline base project used as blueprint for automated build and automated Artifactory npm registry deployment for 30+ in-house npm packages.
* Developed custom Jasmine JSON Schema matcher and RAML ‘include’ concatenation tool to test, build, and deploy API specifications and documentation.
* Developed custom WebdriverIO code coverage reporter.
* Developed Docker containers around in-house component libraries to automate web application deployment.
* Developed BASH script that ensured semantic versioning is applied to incoming pull requests within the automated build pipeline.
* Contribute to Webpack bundling, ESlint and stylelint code linting, and general codebase tooling.

### FRONT END WEB DEVELOPER – *March 2015 - May 2017*

* Update and maintain Product Detail Page for [victoriassecret.com](http://victoriassecret.com), managed by Jira ticketing system.

## Five Visual | Mason, OH

### WEB DEVELOPER –*October 2013 - February 2015*

* Integrate WordPress custom form fields and custom templates to provide client driven websites.
* Implement custom intranet inside of Umbraco, that provided document management through SeedDMS, as well as a Credit Union sales incentive calculations tool.
* Utilized Adobe Business Catalyst CMS to provide client operationalized content driven websites.

## Drees Homes | Fort Mitchell, KY

### WEB DEVELOPER – October 2014 - December 2014

* Implemented PHP templated client facing website ([dreeshomes.com](http://dreeshomes.com)) driven by Bootstrap and RequireJS.
* Integrated Drees Community data with Google Maps API v3 to display on site directions, amenities, and nearby attractions.

## K & R Software | Cincinnati, OH

### WEB DEVELOPER – *April 2014 - August 2014*

* Implemented custom Illustrator designed Wordpress template on top of the BlankSlate template.
* Added features to Ruby on Rails, JavaScript, HTML5 video survey web application.

## Kinetic-Vision | Cincinnati, OH

### SOFTWARE DEVELOPER –*March 2009 - October 2013*

* Added features to Qt (Python) driven conveyor belt simulation software.
* Automate SolidWorks models through macros for simulation setup.
* Develop Objective-C iOS (iPad) surgical device informational applications.
* Develop Tank Mixing automation software built on Qt that leveraged ODB Object-Relational Mapping
* Added features to Ruby on Rails time tracking and billing software.
* Automate simulation result presentation through VBScript.
* Utilize SVN to manage codebase.

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# TECHNICAL SKILLS

### LANGUAGES

JavaScript, TypeScript, HTML, CSS, PHP, BASH, Ruby, Python

### FRAMEWORKS AND LIBRARIES

Underwire, Redux, jQuery, Lodash (lodash/fp), React, Vue, Mocha, AngularJS, Express, Connect, Hapi, Ruby on Rails

### SOFTWARE

Jira, Git, Webpack, Babel, Jenkins, Bamboo

### DATABASE

Mongo, Firebase Realtime Database, PostgreSQL, MySql

### PLATFORMS

Node, Google Cloud Platform, Firebase, Heroku, Sauce Labs, WordPress, Business Catalyst

### OPERATING SYSTEMS

Linux, Mac OS X

# ACTIVITIES AWARDS

## **Programming Competition** | Pittsburgh, PA

Carnegie Mellon Invitational Programming Contest (2011)

# EDUCATION

## University of Cincinnati | Cincinnati, OH

College of Education, Criminal Justice, and Human Services.

Bachelor of Science in Information Technology