

Experience developing and maintaining large-scale SaaS applications and microservices; Master's degree in Computer Science; previous experience includes building server-side API integrations, website design implementation and front-end application development, and team leadership including mentoring and administrative roles

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| Links | Portfolio site: thegreenranger.us linkedin.com/in/colin-j-arpe github.com/colin-j-arpe (work, personal) |
| Skills | Web development - back end PHP, NodeJS, C#/.NET, Python/Django, Ruby/Rails Databases MySQL, PostGreSQL, MSSQL API formats REST, JSON, XML, SOAP Other software C, C++, Java Other ops Linux (multiple distros), Apache, nginx, Docker, bash (including multiple CLI tools), AWS, Azure, git (multiple repo services) Web development - front end HTML, CSS/Sass, JavaScript, TypeScript, ReactJS incl. Redux and Router |
| Employment History | ShiftKey, LLC/OnShift Cleveland, OH/Irving, TX (fully remote) Software engineer, April 2021 - September 2025 <i>Note: hired by OnShift in 2021; OnShift acquired by ShiftKey Feb 2023</i> Tech: C#/.NET, Python, PHP/CakePHP, JS/TypeScript, ReactJS with Redux & Router, Ruby, AWS, Azure, Linux (mult. distros), nginx, MySQL, PostGreSQL, MSSQL IntuitSolutions Philadelphia, PA Full-stack web developer, December 2017 - April 2021 Tech: PHP, MySQL, ReactJS, HTML, CSS, JavaScript, Linux (CentOS), Apache Evercore Investment Advisors New York, NY Presentation specialist (DTP, graphics), April 2014 - December 2017 Lazard Frères New York, NY Presentation specialist/Workflow coordinator, 2007-2012 |
| Education | New York Coding and Design Academy Philadelphia, PA; Web Development Intensive Brooklyn College Brooklyn, NY; M.A., Computer & Information Science New York University New York, NY; B.A., Individualised Study/Liberal Arts |
| Volunteer Work | Neighborhood Bike Works The Bikery: Philadelphia, PA Volunteer Facilitator, Fall 2011 - Fall 2013 <i>Adult bicycle repair co-op operated by local non-profit focused on youth bicycle repair education; onboarded and trained new volunteers; assisted and empowered patrons by teaching them to perform their own repairs</i> |

Projects & Responsibilities

ShiftKey, LLC/OnShift

Responsible for maintaining and developing large-scale multi-tenant applicant tracking application, plus numerous microservices for HRIS [product suite](#); design and implement new features, build and maintain third-party integrations, oversee app and data security

- Maintained numerous apps in a suite of SaaS HRIS microservices handling authentication, client data storage and analysis, employee scheduling, clocking in/out, payroll, engagement and feedback
 - Led initiative to implement and roll out version upgrades, moving all apps from .NET v6 to v8
 - Worked on a team moving client data integrations from an in-house app to third-party integrations app (Workato) to improve data security and meet HIPAA standards
 - Built and installed Docker-based test database to improve unit testing process
 - Worked to improve and fully document setup of local development environments for numerous apps in the suite
 - Led design, implementation and documentation of newly-standardised git branching strategy
- Maintained and developed new features for a SaaS applicant tracking application focused on private ambulance and senior care clients
 - Designed and built a candidate interview scheduling feature incorporating third-party software with a REST API and UI configurations, calendar and email integration, client templating, responsive UI
 - Responsible for coordinating regular release, including maintaining version-control branching, confirming review and merging of code updates, overseeing and troubleshooting deployments
 - Helped to launch ongoing project to replace outdated framework view templates with new single-page app ReactJS views
 - Built numerous test fixtures to enable mocking of large multi-table integrated data entities
- Participated in Agile ceremonies, contributing to daily standup, sprint planning, ticket refinement sessions and sprint retro reviews
 - Coordinated team effort to improve handling of technical debt backlog, including tracking tickets, leading a regular meeting to review progress and discuss upcoming priorities, then advocating for ticket inclusion during sprint planning

IntuitSolutions

Responsible for building and maintaining custom integration applications for eCommerce clients; onboarding and mentoring new developers

- Designed and built custom microservice apps for e-commerce clients on the BigCommerce platform
 - Built an app to facilitate a custom printing process triggered by a webhook sent on completion of a sale, including reformatting JSON data to XML, sourcing image files, packing and inventorying a ZIP file, checking warehouse stock to trigger replenishment, tracking through completion printing and shipment of orders
 - Built an app to trace website redirect loops using complex SQL queries
 - Built an app to source data from a SOAP source then update inventory data via REST API
 - Managed transition from in-person to remote work during global health emergency, led team to facilitate local environment parity for Windows/macOS/Linux development
- Implemented front-end designs for e-commerce web store UIs
 - Utilised BigCommerce's custom Stencil platform, including CLI tools, HandlebarsJS templating, AJAX calls to implement loading of additional page content
 - Use of HTML/SASS/JS in order to implement visual design and all user interactions
 - Launched project to build in-house CLI tools to automate common tasks
 - Led team of three developers, overseeing project and time management, as well as mentoring junior developers