

# Charles Bayley

Backend Software Developer



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## PROFESSIONAL EXPERIENCE

### Software Developer

March 2018–November 2022

### Proforma

Tampa, FL / Remote

- Contributed to the development and maintenance of an Order Management System created with ASP.NET Core and AngularJS by implementing new features and resolving bugs as part of an Agile sprint team.
- Collaborated with Help Desk team to resolve live production issues, utilizing hotfixes and SQL scrubs to address technical challenges, with a focus on financial data concerns.
- Developed a comprehensive internal product catalog with search functionality powered by Solr, enabling franchisers to easily access product data from integrated vendors for use in their hosted online stores
- Solely designed a search project which improved the process of converting legacy database searches into a quicker Solr-backed searches.
- Implemented centralized logging with FluentD, Elasticsearch, and Kibana, enabling efficient data visualization and search capabilities.
- Upgraded the in-memory caching system to a distributed setup using Redis, enabling the main application to run on multiple servers concurrently.
- Integrated RabbitMQ to allow expensive secondary effects of user actions to be moved into the background to improve user experience.
- Optimized operating costs and streamlined server maintenance by migrating several third-party tools to Linux servers.
- Assisted and trained other developers in best practices and company standards, contributing to overall team success.

### Software Engineering Intern

November 2014–February 2016

### Vulcan Wireless

Carlsbad, CA

- Contributed to the maintenance and improvement of in-house software tools under the guidance of senior engineers.
- Collected diagnostic data from a satellite radio and processed it into client-facing reports.

### Quality Assurance Intern

August 2013–July 2014

### Asset Science

San Diego, CA

- Handled software regression testing for the Android phone diagnostic app as part of the QA team.
- Ensured accurate inventory management of device assets and company property across three office sites.

### Software Development and Quality Assurance Intern

August 2012–August 2013

### Antengo

San Diego, CA

- Resolved bugs and supported updates for the classified advertising Android application.
- Conducted software testing, reported and verified resolution of identified bugs and issues.