

# Charles Campbell

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## PROFESSIONAL SUMMARY

With over 20 years of software development and engineering experience in a variety of development environments and platforms, I have acquired a wealth of knowledge in both developing software as well as managing the entire software development lifecycle. I have a wide range of skills developed throughout the years in planning, design, and managing Agile development teams.

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## EXPERIENCE

**Target** – Minneapolis, MN 2021 - Present

### Senior Engineering Manager

- Led the Modernized Asset Management Team comprised of 1 Lead Engineer and 1 Senior Engineer and 3 Junior Engineers delivering an internal mobile application supporting Target's Property Management team. Tech stack included Ionic Framework, ReactJS, Spring Boot Java, Postgres, Kafka.
- Managed a team of engineers in the Network Traffic Management Infrastructure Team comprised of 3 Lead Engineers, 5 Senior Engineers, and 2 Junior Engineers. Led the development of a self-service portal that allows internal application development teams to request and manage application load balancers. Tech stack included ReactJS, Spring Boot Java, Postgres, Golang, F5 Load Balancers, Envoy Proxy Service.

**Longevity Consulting** – Washington, DC 2017 - 2021

### Senior Software Architect

- Led the implementation of the GAO's Operation Warp Speed web-based dashboard which included an Angular frontend, AWS Lambda REST API and Tableau embedded visualizations.
- Led project management support effort to deliver monthly status reports and logistical support to Department of Transportation (DOT) client.
- Led the demonstration and presentation of product enhancements and demos to Housing and Urban Development (HUD) client.
- Led cross functional effort with UI/UX team and internal product development team in order to better understand customer requirements for mobile application platform.
- Led the architecture design and development of the Federal Housing Authority (FHA) mobile platform which converted the PDF based FHA Handbook into an enhanced mobile application that allows FHA's lender partners the ability to search, tag, and bookmark FHA policies and guidelines.
- Led the system design and development of the Grants Management System which is a platform for managing federal grant competition processes.

**MobileSmith** – Raleigh, NC 2015 - 2017

### Team Lead Web Platform

- Led a team of 3 developers that maintained, updated, and developed new feature for the company's web platform.
- Led web platform re-architecture effort to refactor monolithic codebase into a service-based architecture which included implementing a domain model framework and exposing those models with REST endpoints on the server side.
- Led the effort to convert the frontend over to BackboneJS.
- Led the effort to setup Continuous Integration environment consisting of a Jenkins server and multiple unit testing frameworks such as Junit, TestBox, and Jasmine.

**PlanG** – Richmond, VA 2013 - 2015

## **Director of Technology**

- Led the integration of the Socialvest shopping platform and the PlanG donation platform.
- Led the planning, design and development of the B2B partner deposit product using BackboneJS and Groovy on Grails.
- Led the planning, design, and development of the Employer portal product using BackboneJS and a LAMP stack backend.
- Established software development, continuous integration environment, release management, monitoring and quality assurance procedures.

**Socialvest (Acquired)** – Atlanta, GA

2009 - 2013

### **Co-Founder/CTO**

- Lead the development and design of the technical architecture for the shopping platform, which attracted 80K+ members, over \$1M in shopping revenue and \$1.9M in VC backed funding.
- Led a development team of 4 developers across 3 different geographic locations throughout the design, development and implementation.
- Architected and developed Socialvest's recommendation engine using a Java backend, REST webservice and Pentaho's Data Integration tool.
- Designed and developed REST web services API, which integrated iOS apps, integration with partner platforms, and browser extension/add-ons.
- Led the integration of social networking features into the platform including integration with Twitter API and Facebook API.
- Led the architecture and development of an admin interface to the affiliate shopping tracking reports. This included integrating with Commission Junction, PepperJam, Amazon, LinkShare, Google Affiliate Network and Popshops API.
- Developed and integrated CRM features to track all of the members' activities throughout the site.
- Implemented automated testing, prepared test plans, test cases using PHPUnit and JUnit.
- Acquired by PlanG in 2013.

**Booz Allen Hamilton** – McLean, VA

2006 - 2008

### **Senior Consultant**

- Developed and updated Visual Embedded C++ code base for Pocket Forward Entry Device Ruggedized Personal Digital Assistant (PFED RPDA); PFED RPDA is a mobile fire support application used in military efforts in Iraq and Afghanistan that allows Army and Marine Corps Forward Observers to digitally transmit fire support messages into the existing Fire Support C2 architecture. PFED RPDA is a handheld computer with application software that operates in a Windows CE environment.
- Provided technical analysis and developed strategies for implementing the DoD mandated Net-Centric Data Strategy within the Marine Corps. Analysis included researching data management strategies for implementation requirements for Marine Corps CIO headquarter office and provided technical guidance on how to implement an enterprise-wide data strategy in order to support a SOA environment.
- Developed a .NET/C# desktop application which allows messages originating from tactical devices operating on low bandwidth networks to be visualized and displayed in an interactive 3D globe. The desktop application leveraged the Google Earth COM SDK.

**Boeing Company** – Springfield, VA

2003 - 2006

### **Computing Systems Architect**

- Developed Java code to integrate Personal Interactive Information Environment with Constructive Key Management software, Microsoft MapPoint, and a variety of web services.
- Developed Java code for a web service that delivers mock credit report information running on Tomcat application server using Apache's open-source Axis.

- Designed and developed a C# .NET plugin module for the Visual Security Operating Console Enterprise application, which handled the business logic for routing messages from an Enterprise application to the Preston Aviation's Aircraft Activity Display System using .NET and J2EE Web Services integration.

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## **EDUCATION**

**UNIVERSITY OF NORTH CAROLINA, Kenan-Flagler Business School** – Chapel Hill, NC 2022  
**Master of Business Administration**

**UNIVERSITY OF VIRGINIA, McIntire School of Commerce** – Charlottesville, VA 2006  
**Master of Science in Management of IT**

**UNIVERSITY OF NORTH CAROLINA at Chapel Hill** – Chapel Hill, NC 2001  
**Bachelor of Science Mathematical Sciences with a concentration in Computer Science**

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## **ADDITIONAL**

- AWS Certified Developer Associate 2019