# KARL HILL

**SR. SOFTWARE ENGINEER**

Washington, DC 20008 | (202) 599-1442

karlhillx@gmail.com | **LinkedIn**

## 20 Years Developing Sophisticated Solutions with Dramatic Impact on Business Outcomes

Full stack engineer proven in executing the software development lifecycle (SDLC) in Agile, consumer-facing environments. Subject matter expert in developing responsive, mobile first solutions against aggressive project requirements. Highly collaborative communicator skilled in building positive relationships across business functions to drive development.

- SDLC Processes & Execution
- Object-Oriented Design
- Cloud-Based Solutions
- Agile Development

- UX / UI Development
- Technology Implementation
- Technical Troubleshooting
- Cost Savings & Control

- Project Management
- Executive Collaboration
- Team Training & Leadership
- Strategic Communications

## PROFESSIONAL EXPERIENCE

**SENIOR FULL STACK DEVELOPER, 2017 – Present, Science Systems and Applications, Inc. (SSAI), Greenbelt, MD**

Responsible for the development of new applications at NASA Earth Observatory utilizing Laravel and related ecosystem technologies. I also maintain proprietary and third-party CMS systems and develop web services for distributing NASA Earth science content.

- Implement new applications and solutions using Laravel and Lumen PHP MVC frameworks.
- Launch of complete redesign and architecture of NASA Earth Observatory high-trafficked website.

**SOFTWARE ENGINEER, 2016 – 2017, InformedDNA, St. Petersburg, FL**

Drive full software lifecycle development of multiple LAMP applications and APIs to support company objectives, with responsibility for completing projects on time & budget. Reviewed technical feasibility and worked with team to develop timelines for feature requests.

- Developed healthcare case management application for physicians, nurses and other practitioners while saving roughly $90K by completing UX/UI work independently; executed all application development processes from ground-up.
- Increased use with new application by more than 25% and eliminated multiple DB instances using custom APIs.

**SENIOR CONSULTANT, 2012 – 2015, Ticomix, Inc., Washington, DC**

Developed custom SugarCRM PHP-based solutions from ground-up in adherence with project requirements. Created modules & connectors to meet client requirements for enhancing software. Collaborated across teams to ensure compliance.

- Created a client application to help with prospecting and sharing qualified leads for sales professionals.
- Improved product quality for client by reducing defect backlog from hundreds to 25 visible defects at launch.
- Designed, developed and maintained applications for over 20 clients in a fast-paced environment.

**DEVELOPER, 2010 – 2012, Sabre Corporation, Bethesda, MD**

Developed PHP-based applications in fast-paced environment, meeting requirements in performance, reliability, flexibility and maintainability of Sabre's PHP applications.

- Developed and enhanced sites and applications for 5+ of the largest global airline, hotel, and travel agency customers.
- Recognized as engaging, responsive mentor of junior developers and new hires.

*Additional roles include **Software Developer for Verizon Enterprise Solutions**, **Principal at Dante, Inc.**, **Sr. Software Engineer for Advantage Industries** and current volunteer position at **Smithsonian's Renwick Gallery**.*

## EDUCATION

**Computer Science** - University of Maryland
**Associate of Arts (A.A.), General Studies** - Howard Community College
**Certificate in Project Management** - Rutgers University

## TECHNICAL EXPERTISE

LAMP, Apache, MySQL, MariaDB, PHP, Laravel, Symfony, Webpack, NPM, OOP, HTML, CSS, JavaScript, jQuery, Bootstrap, MVC, GitHub, Travis CI, AWS, Git, REST APIs, JSON, UX/UI, Agile, Scrum, XP, Java, JSF, SugarCRM, JIRA, WordPress, Drupal, Composer