

**Albert Kung, M.S.**  
5 Maplecrest Court  
Potomac, MD 20854  
Website: albertkung.com  
Email: me@albertkung.com  
240-383-9021

## **Objective:**

An established, accomplished, skilled and knowledgeable software developer with extensive knowledge in software development and UX design. Also has experience in applications of technology in the medical, pharmaceutical, and statistical fields. Looking for an opportunity in the field of information technology as a leader or partner in a dedicated application or product delivery team.

## **Education:**

- M.S. in Computer Science, Johns Hopkins University, Baltimore, MD, August 2013
- Physiology, Georgetown University, Washington, D.C., 2011
- B.S. in Bioinformatics and Computational Biology, University of Maryland, Baltimore County (UMBC), MD, May 2009

## **Technical Skills:**

- Software Development
  - Java (Enterprise, Spring, Commons, Web)
  - Angular
  - XML/XSD/XSLT/DOM/SAX
  - HTML5
  - JS incl. JQuery, AJAX, JSON
  - Amazon AWS
  - SFTP
- Enterprise Development: Maven, Git, Subversion, Node.js/NPM/Bower, Confluence, JIRA, BitBucket, GitHub
- Multimedia: Adobe Photoshop and Sony Vegas
- Database Management Systems: MySQL, PostgreSQL, and Oracle

## **Professional Strengths:**

- Highly focused in multi-path goal-oriented problem solving
- Motivated both as a team leader and as a team member in group-based activities
- Possesses excellent verbal and written communication skills, especially when working to coordinate with business users
- Efficient in adapting current and legacy technology for use in new standards.
- Rapidly adapts to new projects and concepts and is able to work quickly and efficiently to accomplish time-critical tasks
- Possesses good management and organizational skills and is able to provide well-formed strategies towards solving tasks
- Able to work as part of a team or independently as projects require
- Enthusiastic and willing to explore new technologies and work with industry-leading techniques

- Established in software testing, debugging, and quality assurance standards and methods
- Capable of managing multiple development projects in parallel
- In-depth knowledge of bioinformatics and other computer and medical and biology related fields, and capable of explaining concepts in their technical capacities fluidly to those who may not be native to those fields
- Exceptional knowledge of the software development cycle, including testing, in fields ranging from finance to cybersecurity and game development

## **Professional Experience:**

### **Blink.Cloud**

Jon Luzader, July 2017 - present  
Technology Lead

- Determined viability of sales methods and financial feasibility of product
- Evaluated feasibility and vulnerabilities of application security
- Explored similar business ideas and technologies to improve on technology and financial business practices
- Examined critical flaws in current environment to improve our application's dependability
- Developed Chrome Extension and interfacing with back-end system

### **Financial Industry Regulatory Authority, Rockville, MD**

Carl Doerflinger, June 2015 - present  
Staff Developer (as employee with FINRA)

- Led team in long-term development and maintenance of EFOCUS project
- Developed and assisted with the migration of a content management system from a proprietary system (Microsoft Sharepoint) to a standalone open-source platform (Java, Spring, Hibernate, Angular)
- Led team in development of end-to-end processing system for the Crowdfunding Portal application, converting XML into a full-fledged PDF report and delivering content seamlessly to business users (Java, XSLT, PDF Generation, JSON)
- Improved and updated application unit and integration tests through the use of Mockito and Junit (Java)
- Facilitated in moving eFOCUS into a stable, long-term mature state in preparation for eventual ground up redesign
- Redesigned the eFOCUS application user experience from the ground up to conform with modern browser standards and best practices user experience design paradigms (Java, GWT, HTML, CSS)

### **Financial Industry Regulatory Authority, Rockville, MD**

Jon Dietrich, June 2014 - June 2015  
Software Developer (as a contractor through ettain Group)

- Created a data intake system to incorporate legacy historical data from a foreign format into an established database
- Maintained and developed an enterprise-level application, eFOCUS, including Spring services, Google Web Toolkit, data transport and management

- Worked on both front and back-end technologies in modernizing legacy software with new features while maintaining browser compatibility
- Worked in an Agile-like development utilizing development tools including Subversion and JIRA

### **OpenClinica Open Source Electronic Data Capture Software**

- Provided feedback and development for features within OpenClinica, including JSP development, front-end development, and UI integration.
- Presented at OpenClinica Global Conference 2014 Boston, MA, June 2014.

### **Ghost Recon Phantoms Statistical Calculator**

<http://www.grpdps.com> (defunct)

- Developed front-end graphical components and HTML and back-end JavaScript, JSP, Servlets, D3, and XML components for a full-service statistical calculator for a free-to-play video game.

### **Amarex Clinical Research, CRO, Germantown, MD**

Janice Longstreth, March 2011– June 2012

Herman Wong, June 2012 – June – 2014

Scientific Data Analyst

- Developed enterprise-level modules and web-based servlet and JSP modules for OpenClinica, an open source eCRF software suite
- Programmed and develops electronic data capture for clinical trials using TrialMaster software, using JavaScript.
- Integrated and upgraded a variety of Legacy VB applications into modern Java applications.
- Guided development on several technological modernizations and standards from the industry.
- Developed an all-in-one Java-based database access and authentication programs and applets to assist in the migration from MS Access to SQL 2008.
- Modernized the Amarex website.
- Developed plug-ins for use with Microsoft Word and Excel for data processing and document formatting, as well as creating software documentation and implementing a version tracking and software updating management system
- Wrote and edited clinical reports for on a multitude of medical topics and treatments for pharmaceutical companies such as Qiagen and Noven
- Worked to establish a rapport and understanding between the clinical and IT departments to assist in communication and conceptual visualization to those unfamiliar with their opposing respective backgrounds
- Evaluated and established the use of new industry software to provide client companies with a variety of flexible development environments in order to establish a full range of economical to high-performance trial set-ups

### **University of Maryland at Baltimore University Family Medicine, Baltimore, MD**

Under auspices of Drs. James X Li, Niharika Khanna, and. Richard Zhao, research mentors, as part of a clinical research study analyzing novel testing equipment for bacterial vaginosis and influenza, June 2009 – June 2010

Clinical Researcher

- Designed and maintained a secure, encrypted database
- Took a direct role in obtaining patient consent forms
- Evaluated and used novel testing equipment and obtained results
- Informed health care providers of procedures and the workings of the equipment
- Coordinated work between the clinical site and the research lab
- Was critical in determining the effectiveness of a rapid clinical test for influenza during the H1N1 outbreak

### **Rockville Volunteer Fire Department, Rockville, MD**

Kathleen Dayton, 2007 –2011

Emergency Medical Technician, Unit Officer

- Managed ambulance and other crew efficiently during fire and EMS operations
- Provided critical life-saving care to patients
- Worked with doctors to carefully document all information related to patient care
- Collaborated with community organizations and facilities to establish a rapport and continuum of care
- Coordinating training activities for emergency medical technicians and trainees
- Trained in incident command, response and triage

### **Relevant Test Scores**

- GMAT – January 2017 (Verbal 42, 96<sup>th</sup> percentile, Quantitative 50, 87<sup>th</sup> percentile, Total 760, 99<sup>th</sup> percentile, Analytical Writing 6.0, 90<sup>th</sup> percentile, Integrated Reasoning 7, 82<sup>nd</sup> percentile)
- GRE General Exam (Expired) - 2011 (verbal reasoning 96<sup>th</sup> percentile; quantitative reasoning 99<sup>th</sup> percentile; analytical writing 99<sup>th</sup> percentile)

**References:** Available on request.