Matthew Langston

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I am a full-stack engineer looking for a position that allows me to funnel my passion for mobile and web technologies into valuable contributions to real world applications.

Full-Time Experience

Senior Programmer Analyst, *NSPARC*   May 2015 – Present

Programmer Analyst, *NSPARC*   May 2012 – May 2015

- Architected and implemented the Android component for Mississippi Works. Optimized for tablets using fragments, implemented local persistence with SQLite, interacted with a RESTful API, implemented RxJava for asynchronous operations, and used Gradle for build automation. Managed an entry-level developer during implementation of version 2.0. Assisted in maintenance of the iOS Objective-C version.

- Took the lead in development of the Spring mobile backend for Mississippi Works. Interacted with OpenAM, Solr, and MySQL.

- Helped push a county and court record management system to version 1.0 using Spring, jQuery, MySQL, and Lucene. Assisted with deployment to approximately ten counties in North Mississippi.

Internships

Software Engineer, *ERDC-ITL*   Summer 2011

Software Engineer, *Navagis LLC*   Summer 2010

Lab Assistant, *MSU Digital Forensics Lab*   Summer 2009

Software Engineer, *Radiance Technologies*   Fall 2008

Systems Administrator, *Radiance Technologies*   Summer 2008

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Side Projects

Project: medicine

Designed and implemented a patient check-in system for a local healthcare clinic. Used Firebase for data synchronization across platforms, AngularJS and Node for a web component, iOS Swift for a smartwatch component, and the Android SDK for a phone component. Integrated a set of Phillips Hue lights into Node for displaying room status. Used Gulp, Bower, and CocoaPods to facilitate dependency management and frontend build flow.

StarsGL

An experiment to create a 3D 4X strategy game for the web. Used three.js to interact with WebGL, jQuery UI to create a user interface, and Groovy on Grails to provide a backend.

Education

M.S. in Computer Science, *Mississippi State University*	May 2012
B.S. in Computer Science, *Mississippi State University*	May 2010

Skills

Languages	Java, JavaScript, Swift, Python, C++
Web Development	Spring, Express, AngularJS, jQuery, HTML5, CSS3
Mobile Development	Android, iOS, Kindle
Build Tools	Gradle, Maven, Gulp, Bower, CocoaPods
Data Stores	SQLite, MySQL, Solr, MongoDB
Miscellaneous	Linux, Git, SVN, Atlassian, IntelliJ