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Personal Android app: https://play.google.com/store/apps/developer?id=Qriuce

Linkedin: https://www.linkedin.com/in/chinghslin

Stackoverflow: http://stackoverflow.com/users/691626/dino-tw

Personal blog: http://scalebean.blogspot.com/

**Summary**

* Strong knowledge in Object-Oriented Programming
* Hands-on experience in native mobile app development (focus on Android lately), backend RESTful API design and implementation, Linux and lab setup
* Experience in Android design pattern such MVP, MVVM, and maintain clean code
* Test experience in automation, unit test and code coverage
* Ability to learn new technologies quickly and good sense on data security

**Technical Skills**

* **Programming Languages**: Java, Kotlin, Objective-C, XML, HTML, JavaScript, CSS, XUL
* **Mobile**: Android, iOS
* **Backend**: JEE (Spring Framework), RESTful API, Hibernate, JSON
* **Version Control**: Git, TFS
* **Development Tools**: Android Studio, Eclipse, XCode, Maven, Cygwin, Wireshark
* **Database**: SQL, MongoDB, Redis
* **Test**: JUnit, Mockito, Appium

**Professional Experience**

**Mobile** (with focus on Android, 2013 - present)

**OrthAlign** (www.orthalign.com, Nov 2017 – Mar 2020) **- Sr. Android Engineer**

***Surgical Alignment***

* Designed and implemented the software architecture with separation of concerns for an Android based medical device, completed the requirements for FDA submission.
* Implemented features including Bluetooth communication, Sensor reading, Custom UI, animation and run as a system app with kiosk mode.
* Implemented and demonstrated the web service to exchange data with the device for concept approval.
* Implemented unit tests.
* Demonstrated automaton test using Appium and CI/CD with Jenkins

**Environment**: Android Studio, Java, Kotlin, Git

**Dexcom** (dexcom.com, Jan 2017 – Nov 2017) - **Sr. Engineer - Software Applications** (contractor)

***Glucose monitoring - Android***

* Implemented custom UI and animation, REST client as reusable modules to create deliverable SDK
* Used Retrofit and HandlerThread to implement async and sync REST API client
* Implemented Android unit test and instrumentation test, and maintain 95% and higher code coverage
* Leveraged Facebook screenshot test tool to perform visual tests
* Project development with Agile methodology

**Environment**: Android Studio, Java, Git, Jira

**SecureAuth** (www.secureauth.com, Aug 2014 - Jul 2016) - **Java Developer**

***OTP Android APP*** (https://play.google.com/store/apps/details?id=secureauth.android.token&hl=en)

* Improved user-experience by implementing new UI and using GCM push-notification for 2-factor authentication
* Integrated open source project to add QR code scanner feature to enhance device registration process
* Implemented fingerprint feature to support native Android and Samsung pass as screen unlock mechanism
* Added splash screen on top of original main Activity without breaking the home shortcut
* Knowledge share with iOS and cloud team members
* Involved in all phases of SDLC

**Environment**: Android Studio, Java 7, Google API, Git

**PoppinApp** (Oct 2013 - Jun 2014) - **Mobile Developer**

***Social shopping application***

* Developed a social shopping application in iOS using native Objective-C for and published to App store.
* Used location manager to obtain current user location and sent query to REST web service to find out what's nearby
* Used AVFoundation to implement photo taking and processing
* Used native NSURLConnection library to implement network communication, including lazy download to retrieve images from server as needed for smooth user experience
* Worked with teammate and management on new UI design
* Mentored team member in Android life cycle and Object-Oriented Programming

**Environment**: Mac, XCode, Eclipse and ADT

**Backend** (Spring Framework, 2013 - 2015)

**SecureAuth** (www.secureauth.com, Aug 2014 - Jul 2016) - **Java Developer**

***Identity Provider*** (SSO and 2-factor authentication service)

* Implemented RESTful API to integrate front-end UI and back-service, such as LDAP, JSON data processing and persistent
* Used Spring framework security feature to implement CSRF protection
* Worked with UX/UI team to develop the dynamic admin UI by writing HTML, JavaScript, CSS and leveraged JQuery to implement AJAX call to ensure compatibility
* Integrated open source projects Jawr and Ehcache to improve performance in both network traffic and server response time
* Used log4j framework to implement real-time and async logging
* Directly worked with client on feature requirements

**Environment**: Spring Framework, Eclipse IDE, Java 7, Maven, TFS

**Education**

* **University of Southern California**, Los Angeles, CA

M.S. in Computer Science (GPA 3.6)

* **University of Oregon**, Eugene, OR

B.S. in Computer & Information Science (GPA 3.71)