

# RICHARD REDPATH

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## QUALIFICATIONS SUMMARY

Results-driven executive-level computer scientist leading teams from R&D to quick delivery of software solutions. Pioneer in mobile and internet technologies (eg: Cordova Phonegap) with 25 years Java experience (1.04 to 8). I have been in research as an RSM for 30 years for emerging technology.

Looking for Contracted project work for code delivery and cornerstones of software products. My past experience for 25 years in creating, implementing and then staffing incubator projects lends itself for excellent contracted work delivery. I have a personal AWS account I use to deploy deliverables for review by clients and a Dockerhub account under Redpath.

## SKILLS

### AREAS:

MOBILE, DIGITAL SECURITY, MICROSERVICES, SOAP, RESTFUL, HTTP, APIS, RPC, RMI, MULTI-THREADED REENTRANCY COMPUTING

### LANGUAGES & LIBRARIES:

ANDROID, ASSEMBLER, C C++, C#, CORDOVA PHONEGAP, CSS, DOCKER, HTML5, HTTP/RFC731, GROOVY, IPHONE, JAVA JNI RMI, JAVASCRIPT DOJO JQUERY SVG, OBJECTIVE C, PYTHON, SWIFT4, XML/JSON

### PLATFORMS:

ANDROID, CLIENT/SERVER, DOS, DOCKER, IPHONE, JENKINS, KUBERNETES, NODEJS, OPENSLL, SERVLETS, SPRING BOOT, UNIX UBUNTU BSD LINUX

### HISTORICAL

COBOL, FORTRAN, LISP, MIDP/NOKIA, MACRO20, OSF/MOTIF, PASCAL, PHIGS, SNOBOL, XDR, XLIBX11

## PROFESSIONAL EXPERIENCE

**Arculus/Composesecure, Consultant POCs for Arculus CEO**  
**Sep 2022 – current**

**Raleigh, NC**

- Design/implement POCs for CEO (Node.js, JS, Java, C#, Python, C, iOSX, Android, DefiPay crypto, Identity proofing). Delivered Certified FIDO2 server. FidoCard 1.09 Delivered. Fido Admin Apps.

**Imaginnovation, Consultant**  
**Sep 2021 – Jan 2022**

**Raleigh, NC**

- Docker, Spring boot, security, Intellectual property. Reconcile DEV environment process.

**Secude AG, Assistant Vice President**  
**Feb 2020 – May 2020**

**Raleigh, NC**

- Designed/implemented Halocore (data security software ) REST API (Node.js, JS, Java, C#, Python).

**Consulting, Consultant**  
**April 2019 – Dec 2019**

**Raleigh, NC**

- Java Development for SECUDE AG, Third Bridge Group LTD, Slickedit Incorporated.

**IBM SWG Blockchain, STSM**  
**Jan 2017 – April 2019**

**Research Triangle Park, NC**

- Senior Technical Staff Member (RSM) Mobile Identity Project driven/created by my research and inventor patents.
- Wrote scalable Certificate Authority Server openssl/Java see <http://www.richardredpath.com>

**IBM Emerging Technology, STSM**  
**Jan 2010 – Dec 2017**

**Research Triangle Park, NC**

- Senior Technical Staff Member (RSM) leading Research and Development (R&D) think tank operations for entire Mobile category across all IBM products.
- Created/Architect of Cordova Mobile Identity Project for Emerging Technologies Division (2012) driven by my inventor patents.  
<https://www.youtube.com/watch?v=z171ZHdHPu>

## RECENT CODE DELIVERED

- DESIGNED/IMPLEMENTED ARCULUS CUSTOMER API (NODEJS, JAVASCRIPT, JAVA, C#, PYTHON, SWIFT), DEFIPAY POC, CRYPTO CROSS CHAIN TRANSFER PROTOCOL. IDENTITY PROOFING.
- DESIGNED/IMPLEMENTED HALOCORE REST API (NODEJS, JAVASCRIPT, JAVA, C#, PYTHON, C)
- JAVAMAIL SERVICES
- STRIPELIGHT MICROCONTROLLER SOFTWARE (HIBERNATION MODE ATMEL CPU)  
<HTTPS://STRIPELIGHT.COM>
- CORDOVA BROWSER, IOS, AND ANDROID APP FOR DRIVER'S LICENSE (VIDEO)  
<HTTPS://WWW.YOUTUBE.COM/WATCH?V=Z171ZHDLHPU>
- MIDDLE EARTH SERVER (IDE ANDROID, IOS, AND BROWSER COMMUNICATION)
- DMV BRANDING SERVER FOR DRIVER'S LICENSE GENERATION (VIDEO)  
<HTTP://RICHARDREDPATH.COM/RESUME/RED.HTML>
- OPENSLL AUTHENTICATION API LIBRARY IOS/ANDROID/MACOS

## EDUCATION

NORTH CAROLINA STATE UNIVERSITY <i>Advanced Studies in Japanese</i>	Raleigh, NC
CARNEGIE-MELLON UNIVERSITY <i>Bachelor of Science (BS) – Applied Mathematics in Computer Science</i>	Pittsburgh, PA
Gemological Institute Of America <i>Graduate Degree in Diamonds</i>	Carlsbad, CA

## US PATENTS

10,962,792, 10,812,271, 10,742,424, 10,721,077, 10,697,625, 10,559,049, D888,131, 10,382,209, 10,331,755, 10,291,410, 10,164,777, 10,158,631, 10,132,482, 10,097,354, 10,047,929, 9,954,685, 9,930,017, 9,811,603, 9,710,636, 9,686,246, 9,683,730, 9,660,410, 9,600,690, 9,544,150, 9,361,710, 9,336,523, 9,274,679, 9,230,135, 9,230,133, D739,966, 9,134,791, 9,077,770, 9,065,805, 9,059,972, 9,059,852, 8,976,825, 8,947,234, 8,845,122, D711,561, 8,672,513, 8,589,515, 8,549,493, 8,543,910, 8,527,495, 8,495,511, 8,482,924, 8,360,612, 8,170,863, 8,164,420, 7,925,250, 7,822,831, 7,711,802, 7,505,449, 7,437,669, 7,187,389, 7,171,419, 7,089,559, 6,993,472, 6,931,409, 6,836,878, 6,665,600, 6,530,840, 6,523,170, 6,460,090, 6,418,402, 6,415,249, 6,347,316, 6,278,969, 6,256,672, 6,083,279, 6,041,343, 6,035,337, 6,006,334, 6,006,267, 5,990,887, 5,984,787, 5,946,289, 5,940,395, 5,920,692, 5,878,425, 5,854,629, 5,752,055, 5,659,676, 5,630,126, 5,550,968, 5,499,333

\*\* More comprehensive detail document of work available upon request.