

# SACHIN EDLABADKAR

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## EDUCATION

### UNIVERSITY OF FLORIDA

*M.S. in Computer Science*

**Aug 2015 - May 2017**

### BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI (India)

*B.E. in Computer Science*

**Aug 2008 - May 2012**

## TECHNICAL SKILLS

- **Programming Languages:** Java, C, C++, JavaScript(Familiar), Scala (Familiar)
- **Web Technologies:** Node.js, Express, HTML, CSS, ReactJS
- **Others:** Windows, Linux, Git, SVN, JIRA, Maven, Wireshark, TCP/IP, VoIP, SIP, SDP, RTP, HTTP, CoAP, Akka.io, Spray.io, MySQL

## PROFESSIONAL EXPERIENCE

### InterDigital, Conshohocken, PA – Software Developer Intern

**June 2016-Dec 2016**

- Developed a lightweight API based on OneM2M standards & CoAP protocol for memory constrained IoT devices using C, Socket Programming.
- Project successfully demoed at *ETSI 3<sup>rd</sup> IOT Interop event* in Kobe, Japan.

### Polycom, India – Software Engineer

**June 2012-July 2015**

- Part of the Communications team for Polycom's video conferencing products: *Group Series & HDX*.
- Responsibilities include feature design and development, resolving critical issues and customer escalations, code reviews, mentoring interns, and training new employees.
- Awarded Polycom Star Award for implementing the *Video Mute* feature.
- Played crucial role in setting up Group Series development at Polycom's India Development Center.
- Acted as a point of contact for quick triage of potentially release threatening issues found in the late stages of a software release.
- Engineered a prototype during the Polycom India hackathon that allows live video preview of the caller while the call is ringing.

### Deloitte, India – Software Developer Intern

**July 2011- Dec 2011**

- Developed a web portal for project management and progress tracking. Later expanded to include document and resource management. Using JavaScript, HTML, CSS
- Implemented audit summary generation tool, which scanned through millions of lines of data collected during audit process to generate reports based on some preselected criteria.

## ACADEMIC PROJECTS

### Facebook Graph API Simulator - Scala, SBT, Akka, Spray, REST API

- Designed a distributed Facebook Graph API engine using Akka actor framework.
- Developed REST APIs for Page, Post, Friend List, and User Profile using Spray REST/HTTP framework.
- Added End-to-End encryption for posts and private messages using RSA-1024 and AES-256 encryption.
- Implemented a Client simulator to simulate 10000 users (Akka actors), each making multiple requests per second.

### eVending - Team Project – Java, Node.js, Google Cloud Platform, Android

- Developed an IOT based vending machine prototype as part of a team of four.
- Implemented backend code for cloud based inventory and transaction management.
- Coded up an android app to allow users to interact with all available vending machines in user's vicinity, view available products and purchase their desired products.
- Implemented cashless transactions through Android Pay or Debit/Credit Card (Stripe API).

### RPAL Interpreter – C++

- Implemented an interpreter for RPAL, a simple functional programming language.
- Wrote the code for Lexical Analyzer, Recursive Descent Parser, AST standardization and CSE rules to ensure correct execution of RPAL programs.