

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
- **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 3rd 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.
- Actively contributed to the end-to-end development of multiple features like Video Mute, Call Hold/Resume, and ICE stack upgradations.
- 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.