

# Soumesh Banerjee

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soumeshbanerjee@live.com | <http://soumeshbanerjee.github.io> | Notice Period: ~2months | Relocation: Yes | VISA Sponsorship: Required

## Summary

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Senior Software Development Engineer with good hands-on-experience on every phase of product development. I am very energetic, enthusiastic and a team player dedicated to efficiently solve the problems. Always keen to learn and implement new technologies that can help in achieving a goal in better and faster ways.

I also remain active in Stack overflow, GitHub, NPM etc., community and love to contribute to open-source projects in my free time

## Technical Skills

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**Language:** NodeJS, Python, GoLang, Rust, C, Embedded-C, Objective-C, Swift

**Platform:** AWS, Mac OS X, Linux, iOS

**Tools/ IDE:** X-Code, VSCode, IntelliJ, JIRA, Markdown, PlantUML

**DB/ Cache:** Kafka, MySQL, Elastic-Search, MongoDB, Redis

**Web Tech.:** VueJS, Bootstrap, Bulma, HTML5, JQuery, AJAX, CSS3, Chrome Extensions

**New Tech.:** Machine Learning, Deep Learning, SDR, Arduino, Pi, IOT

## Work Experience

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### Senior Software Development Engineer

June 2018 – Current

#### Kony India Pvt. Ltd. – Hyderabad

- Developed IPA installer for Windows, Linux and Mac
- Implemented the HTTP Public Key Pinning and exposed the same API for the end-user
- Developed record-and-play GUI in VueJS for automated test case generator for iOS
- Extended support for gRPC in the core distribution node
- Developed a NodeJS based mobile network proxy for traffic recording and play
- Developed a web-driver agent for iOS using XCTest and Accessibility

### Software Development Engineer

Sept. 2017 – June 2018

#### Kony India Pvt. Ltd. – Hyderabad

- PoC for WiFi Direct and Bluetooth LTE based real time IDE to mobile, real-time app deployment in device
- Developed a GoLang package implementing the Peertalk for multiOS support (usbmuxd)
- Elastic search based daily automation issue tracking system (HTML, CSS)
- Developed Alexa skills for company's internal use, also developed a package for external use
- Implemented high performance priority and filter-based notification queue in GoLang
- Optimized the package generation by real time decision making and caching
- Wrote a pre-processor and syntactic analyzer on top of Clang in Python, for internal tooling
- Developed an internal tool for code review and pull request management
- Developed a cli tool to easily replicate customer bugs (internal use)
- Developed and distributed internal NPM and GoLang packages for network and communication stack

## Associate Software Development Engineer

Aug. 2016 – Aug. 2017

### Kony India Pvt. Ltd. – Hyderabad

- Laid the foundation of the decentralised distributed automation (iOS) that other developers then build upon for various platforms such as Windows and Android, brought an estimated 70% improvement in the runtime of the automation without affecting the test cases.
- Provided a one-click button support for automation failure rerun from the browser itself
- Developed internal issue tracking progressive web app that is offline ready
- NodeJS based Distributed task resolving system with static analyser and Git Support
- Implemented Shared web credential iOS Feature
- Wrote a crawler for fetching various customer bugs and do an analysis of them based on various parameters and helps the developer to focus their energy accordingly (beta)
- Developed a Bitbucket plugin for automated staging, testing and deployment

## Personal Projects

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Spotify to Amazon Music migrator

Vim Plugins, Tumx config for more productivity

Python based web forum comment crawler to do sentiment analysis with scikit-learn (Reddit, Twitter)

LIDAR based raspberry project to map a 3D based model of a room

ATTiny based distributed downloader, Wi-Fi de-authenticator, wireless handshake dumper

RTL-SDR based radio trunk call recorder, to make a flow diagram of call-signs

TP-Link wifi router hardware hack based IOT base station, for message pushing/pulling to/from the cloud

## Alma mater

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<b>B. Tech</b> <sup>(CSE)</sup>	Lovely Professional University	2013 – 2017	8.38 CGPA
<b>AISSCE</b> <sup>(12th)</sup>	DAV Public School (CBSE)	2012 – 2013	76%
<b>AISSE</b> <sup>(10th)</sup>	DAV Public School (CBSE)	2010 – 2011	8.4 CGPA

## Profiles

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/in/sudoo

/users/2256024/soumesh-banerjee