

## **Resume Summary**

Name: Sunil Kumar

Personal website: <http://www.sunilnkumar.com/>

Mobile No: +918089106942

Email id: sunilkumar.gec56@gmail.com

Current Location: Ernakulam, Kerala

Native Place: Kannur, Kerala

DOB: 22/Apr/1988

Gender: Male

Github: <https://github.com/sunilkumarn>

## **Resume Details**

Key Skills: Ruby, Javascript, Rails, RubyMotion, React Js, React Native

Database: Mysql, Sqlite, Postgresql

Nosql: Redis, MongoDB

Logging: Facebook scribe, Splunk

Other Languages: Python, html, css, node.js, awk, shell, Swift

Platform: UNIX, OSX, IOS

## **Professional Details**

Work Experience: 6 years 7 months

Functional Area: Web, Backend & Mobile app development

Previous designation: Vice President - Engineering

Previous Employer: BackWater Technologies Pvt Ltd (Chillr)

## **Qualification**

ICSE Board examinations with 88% marks ( 2004 batch ) ISC Board examinations with 87% marks ( 2006 batch )

B.Tech: Computers with 64% marks ( 2010 Batch ) from Calicut University

## **Detailed Resume**

### **Professional**

#### **BackWater Technologies Pvt Ltd (Chillr)**

**Designation: Vice President - Engineering, 2013 Dec - 2017 June**

Build the entire backend stack and apis for consumption by the android, ios and windows platforms. Handled all the architectural decisions from setting up the database models to the server infra. Have also built the initial version of the iOS application in RubyMotion.

Managed the entire engineering team, fulfilled the hiring requirements and continued building, scaling and optimizing the existing backend stack for day to day operations. Involved in all major engineering related discussions and took the final call for all backend related queries. Worked in tandem with banks, third parties and external stakeholders and been part of numerous meetings as and when the requirements came up. Overall, was completely involved in the development and discussions of the product as a whole.

### **Mobme Wireless Solutions**

**Designation: Senior Software Developer, 2010 Nov - 2013 Dec**

Have undertaken 10 - 12 web projects for leading telecoms in the country. The projects mostly involves Rails and/or Sinatra with Javascript and Node.js as regular components. Have worked in tandem with clients like IBM & Infosys to satisfy the billing requirements of Telecom companies.

Built quite a lot of apis to serve the backend for web, mobile as well as external applications. Have been actively involved in technical & patent discussions, meetings & follow ups with telecom giants like Airtel, Vodafone, Idea etc and also major banks across the nation.

### **Academical**

#### **Implementation of a simple evaluator for Scheme in Python**

The metacircular evaluator for the Scheme language is explained in the classic CS text Structure and Interpretation of Computer Programs . A simple version of this evaluator was written in Python.

#### **Analysis Of TinyPython Virtual Machine v1.1**

TinyPython is a minimalist implementation of Python in 64K written by Phil Hassey. The working of the TinyPy VM was traced with ctags/gdb. The representation of a list in the VM was studied. The objective was to gain experience working with real code and also to understand the way an interpreter actually works.

#### **An AVL tree implementation for Python in C**

An AVL tree data structure was implemented in C; this was interfaced to Python using SWIG.

#### **Network simulation using the NS2 tool**

The Network simulation tool NS2 was used to model different network topologies.

#### **A minimal LOGO like system in Python**

PyLOGO is a very simple program to create geometrical shapes on a Tkinter canvas . It was implemented using Python, with abilities to move a given distance, turn a given angle clockwise or anticlockwise, show or hide a moving figure of arbitrary shape, decide between pen down and pen up modes.