

# SURESH KUMAR

Cary, NC 27513

Phone: 919-760-3970 | Email: sureshk01@gmail.com

LinkedIn: <https://bit.ly/39kPE71> | GitHub: <https://bit.ly/2CuMmm0> | Portfolio: <https://bit.ly/39iPzRk>

## SUMMARY

- Emerging **Full Stack Web Developer** with a passion for creating web applications and responsive websites with lot of experience and background in telecom access product configuration software.
- Natural problem solver **and value adder** with proven cross-team collaboration.
- Proficient in full stack web development and real time embedded telecom management software.
- Strong **analytical skills** with excellent verbal and written communication skills.

## TECHNICAL SKILLS

**Frontend:** HTML5, CSS, jQuery, JavaScript, Bootstrap, AJAX, Handlebars, ReactJs

**Backend:** MySQL, Sequelize, MongoDB, Mongoose, Express, ReactJS, Node

**Languages:** C, C++, Java, Python

**Applications:** MS Office Suite

**Version Control:** Git Bash, GitHub, Visual Studio Code, Mercurial, Clearcase

**Project Management / CI/CD:** Confluence, JIRA, DDTs, Jenkins

**OS:** Unix, Linux, Real Time OS (RTOS)

## PROJECTS

**Art Via Music** | Github: <https://bit.ly/3huCveF> | Deployed: <https://bit.ly/2P2qSj3>

- Art Via Music is an app that takes user input of song name and band name in the front end, returns an art after fetching and processing the song lyrics using 'ovhlyrics' API and parallel DOTS API, feeding the results to Harvard Museum API.
- Created html, JavaScript, and CSS files. Responsible for coding and integrating Parallel dots AI API, overall integration, and debugging. Reviewed, integrated, tested, and approved the changes of other contributors to the app who handled API towards other services.
- Tools / languages / Processes used: HTML, Skeleton CSS framework, JavaScript, jQuery, AJAX, Web API, JSON, Git, Agile.

**Sequelized Burger** | GitHub: <https://bit.ly/3cDDGhr> | Deployed in Github: <https://bit.ly/2HFO2v1>

- A burger logger (restaurant app) with MySQL, Node, Express, Handlebars and a homemade ORM following the MVC design pattern involving full CRUD functionality.
- Created the entire app from given requirements.

**Workplace-Directory** | GitHub: <https://bit.ly/3i98ocr> | Deployed in Github: <https://bit.ly/3cDIBYU>

- A react app, created using create-react-app. Uses 'randomuser' API to fetch random employees and displays name, phone num, dob, e-mail and picture in tabular form. Directory is filterable using search input. Sortable on name and dob. Used react-super-responsive-table to achieve responsive rendering.
- Created the entire app, using react stateful and functional components.

**FitnessTracker** | **GitHub:** <https://bit.ly/3jcxq4B> | **Deployed in Heroku:** <https://bit.ly/3jediKB>

- An app to view create and track daily workouts. It allows the user to be able to log multiple exercises in a workout on a given day. The app user will be able to track the name, type, weight, sets, reps, and duration of exercise. If the exercise is a cardio exercise, then the distance traveled will be logged/tracked.
- Starter front end files were provided, I created the back-end to suit the front-end using MongoDB, Mongoose and NodeJS and Express Router.

## EXPERIENCE

**Senior Software Engineer**

**2016 – 2019**

**Nokia**

**Raleigh, NC**

**Senior Software Engineer**

**2008 – 2015**

**Alcatel-Lucent**

**Raleigh, NC**

Full life cycle of telecom product management software development using agile methodology from requirements to integration testing using C, C++ languages on real time operating systems running on embedded systems. Contribute to new features development releases, bug-fix emergency releases, using user epics/ stories / JIRA tickets. Also worked with the Technical Support and Customer Focus team on priority field escalated events / tickets as needed. Worked on Fiber-To-The-User OLT product line using GPON technology. The GPON product I worked on is deployed in the Google Fiber rollout. Have worked on DPoE based EPON access product.

### *Key Accomplishments:*

- Optimized SNMP queries which were timing out and taking several hours to matter of a few minutes.
- Optimized memory usage and reduced overall memory foot-print needed
- Several instances, I diagnosed and fixed memory leak issues reported initially as a system crash.
- Responsible for different configuration and management modules and feature development for different releases of OLT product within time limits with high quality. Some of the subsystems I have worked on Gpon Management, PON management, TL1, CLI and IP applications.
- Extensively worked on PON 5-minute PM (telemetry) collection and reporting module.
- Nominated for and got several high-five awards, night-out awards for performance, excellence, and teamwork.

## ADDITIONAL EXPERIENCE

**Senior Software Engineer**

**1996 – 2008**

**Alcatel**

**Raleigh, NC**

Worked on Mobile Switching Center software using CHILL language, STP product and Fiber-to-the-User APON and BPON and GPON products. The GPON product that I worked on is deployed as part of the FiOS solution of Verizon and Google Fiber solution of Google.

## EDUCATION

**Bootcamp Certificate: UNC Full Stack Flex**, UNC Chapel Hill, NC (Grad. date Oct 27, 2020)

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap 4, Node Js, MySQL, MongoDB, Mongoose, Express, Handelbars.js & ReactJS.

**JAVA Programming Certificate:** Universidad Carlos III de Madrid via Edx. (2020)

IT.1.1x: Introduction to Java Programming [0f6aa69bd9644f2187d619f2aa20c919](https://edx.org/courses/course-v1-UNED-6.042X-2020-01/summary)

IT.1.2x: Introduction to Java Programming [a72e832de1554cf7a1d4ea4a8f6f31b3](https://edx.org/courses/course-v1-UNED-6.042X-2020-01/summary)

IT.1.3x: Introduction to Java Programming [a683c9c708e24857bdb388185c9e187a](https://edx.org/courses/course-v1-UNED-6.042X-2020-01/summary)

**Master of Engineering: Indian Institute of Science**, Bangalore, India.

**Bachelor of Science ( Physics): Voorhees College**, Vellore, India.