Sidharth **Vinod**

SOFTWARE ENGINEER · SECURITY EXPERT

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"A good programmer is someone who always looks both ways before crossing a one-way street"

Technical Skills

Languages	Python, Javascript, Java, C++, C
Backend Frameworks	Django, Node.Js, Sails.Js, Flask - Apache and NGINX for Production
Frontend Frameworks	React, Bootstrap, Material UI
Dev Tools	Firebase, Docker, Celery, Selenium, Social Auth, Cookiecutter, virtualenv, Jinja, Babel, Webpack
Databases	PostgreSQL, MySQL, MongoDB, Sqlite3, Redis
Tools	PyCharm, Android Studio, LATEX, VS Code, Atom, Filezilla, PostMan, iTerm, Virtualbox
Online Tools	AWS, Docker, Git, DigitalOcean, Heroku, pip, brew, yum
OS Platforms	macOS, CentOS, Fedora, Android, Redhat, Ubuntu, Mint, Windows

Experience

GEC Ascent
GEC Thrissur

ADMISSION AND STUDENT MANAGEMENT PORTAL
Aug. 2016

- Developed a robust portal for student data entry and form generation using Django and Bootstrap-Material
- Implemented the system to reduce admission paperwork time by 60%

Spot allotment for Kerala State Government Colleges
GEC Thrissur

ALLOT OVER 1000 STUDENTS TO VACANCIES IN ALL GOVERNMENT COLLEGES IN KERALA
September 2016

- Developed the software to collect student options and allot them to colleges based on a multi-criteria algorithm.
- Fully automated and fast tracked the otherwise manual, slow, tedious and unjust procedure
- Successfully managed and executed the data entry and student allotment.

FueLive - 50K Downloads
GEC Thrissur

REALTIME FUEL PRICE TRACKER
June. 2017

- Provide real time price, change and comparison of fuel prices across multiple vendors all over India.
- 35K Active users. 10K Downloads in a week.

Hello KEPA
Kerala Police Academy, Thrissur

ANDROID APPLICATION FOR KERALA POLICE
April. 2017

- Provide a comprehensive list of contacts which will be required for the staff of Kerala Police Academy
- Send notifications using Google Firebase and real-time data update in case any contacts had changed
- Category filtering, name and number search.
- Later adopted by various district police forces.

Sinfora
GEC Thrissur

THE STUDENT INFORMATION MANAGEMENT SOLUTION
March. 2015 - PRESENT

- Teachers can use mobile app to mark attendance in class or use excel upload to mass update the data.
- Performance monitoring with SMS and E-Mail notification
- Parents can login to the software providing the admission number and date of birth of their child.

MyBer - Taxi booking platform.
Kochin

PRODUCTION SOLUTION DEVELOPED FOR KRUXSOFT TECHNOLOGIES
July 2017

- Customer and Driver apps, Server based on Django
- Handles entire workflow including payment gateway.
- Live tracking, Geofence based filtering, Adaptive billing.

Trakr - Realtime vehicle tracking system
Malappuram

DEVELOPED FOR MOTOR VEHICLE DEPARTMENT, MALAPPURAM DISTRICT

- Presently being used to track all the college buses.

SievePay *San Francisco*

Automated Fuel payment hybrid system. Developed for Sieve Inc

- Hardware device based on NodeMCU, MFRC522
- Android Auto App for seamless integration
- Fabricated PCB and Shell using FABLAB

RFID based student bus concession system *Vengara*

Developed for Vengara Panchayath, Malappuram District

Application Developer *GEC Thrissur*

Dyuthi, The College Technical Fest. , 2016 *Jul. 2012 - Jun. 2013*

- Government Engineering College Thrissur witnessed first ever paper free Techfest in it's history.Dyuthi Management System was a complete event management solution created using Python Django which had capability to handle online registration, offline registration, SMS notifications, event report status, event winner positions, accommodation list all under one hood.
- The same system was modified and used for events like Concetto 16, Concetto17, Innovance 17, etc.

Started with freelancing for a Japanese Company in 11th Std, 2013.

Education

Government Engineering College, Thrissur *Thrissur, Kerala*

B.Tech. in Computer Science and Engineering *Aug. 2014 - PRESENT*

- SGPA of 7.5 without backlogs

Vijayagiri Public School, Annallur *Thrissur, Kerala*

Higher secondary education *May. 2012 - Mar. 2014*

- Passed computer science stream with a score of 94.3%

Bharathiya Vidya Bhavan, Kodungallur *Thrissur, Kerala*

Secondary school education *Mar. 2012*

- Passed with a perfect CGPA of 10

Positions of responsibility

2017	**Coordinator & Chief Technical Officer**, Innovation and Entrepreneurship Development Cell (IEDC)	*GEC Thrissur*
2017	**Network admin**, College blade servers	*GEC Thrissur*
2017	**Organizer & Co-director**, Kickstart 2.0, Entrepreneurial Workshop	*GEC Thrissur*
2016	**Tech Lead**, Insignia, Department Techfest	*Dyuthi, GEC Thrissur*
2016	**Event Manager**, Ultimate Geek, The geekiest event in Dyuthi	*Dyuthi, GEC Thrissur*
2016	**Web Development & Registration Head**, Dyuthi, College Techfest	*Dyuthi, GEC Thrissur*
2016	**Coordinator & Planner**, Industrial Visit and Class tour covering South India	*Thrissur*
2016	**Mentor**, Creovate, Entrepreneurial Workshop	*GEC Thrissur*

Workshops Conducted

Apr 2017	**Open source tools and Web development with Django**, Rolling Workshop for students	*GEC Thrissur*
Jan 2017	**Dive into Linux**, Department Workshop for CS Students	*GEC Thrissur*
Oct 2016	**Web development, Hands on**, IEEE workshop for freshers	*GEC Thrissur*
Nov 2015	**Intro to Android development**, IEEE workshop for students	*GEC Thrissur*

Extracurricular Activity

In Press

Published news articles

- FueLive, Students develop app to give live fuel prices. The Indian Express, TechiPaper, FutureNewsLive
- Hello KEPA, The new app for Kerala Police Academy. Mathrubhumi

Prizes and Achievements

- 1st Prize in Debugging and Treasure Hunt in Qurentia-14 - State level ISTE Techfest.
- 1st Prize in PlayAlong (Bot Coding) and 2nd prize in Overnight Coding, In Dyuthi-14

Events attended

Workshops and Tech meetups

- Google Developers Group Meetup, Cochin 2016.
- 0secCon Cybersecurity Conference, Cochin 2016.
- Touch computing workshop - Tathva 14, NIT Calicut 2014.

Personal Details

Strengths	Good communication, team and event management skills, Positive Attitude, Consistency, Cooperative with co-members
Fields of Interest	Implementation Techniques in Relational Databases, Implementing solutions for real time alternatives in offline systems, Algorithms, Data Structures.
Hobbies	Coding, Driving, Photography.