

# GOKULDAS PUTHENPURAKKAL GOPI

SOFTWARE DEVELOPMENT ENGINEER

## SUMMARY

Experienced System Engineer with a demonstrated history of working in the Information Technology and Services Industry. Skilled in designing and developing highly available, distributed, fault tolerant, cached, cloud native solutions using Java, Node JS, Python, Postgres, MongoDB, Elastic Search and Angular in AWS cloud following Agile principles, CI/CD techniques(Jenkins, Git, Docker), TDD , Microservice architecture, sharding and master slave design patterns. Aspiring Data Scientist who wishes to reshape future through technological innovations

## EXPERIENCE

Tata Consultancy Services	System Engineer	2 years and 9 months (Full time)
Cochin University of Science and Technology	Research Assistant	6 months (Part time)

## TECHNOLOGY PROFICIENCY

Programming Languages	Java, Python(Basic), C(Basic), C++( Basic)
Web Technologies	JavaScript, Node JS, Angular 4, Bootstrap 4, HTML 5 , Django
Cloud Technologies	Amazon Web Service (EC2, S3, SES, CloudFront, ElasticCache, RDS, ELB, VPC), Google Firebase, IBM Bluemix
Databases	PostgreSQL, Redis, MySQL, MongoDB, Oracle
Mobile App Technologies	Android (Elementary), Ionic3, Framework7
Java Frameworks	Spring Boot, Spring MVC, Spring Security Oauth 2, Spring Batch (Basic), Spring Scheduler (Basic), Hibernate, sl4j, Maven(Repository), JMeter
Python Frameworks	Anaconda, Sci-Kit (Machine Learning Beginner), TensorFlow
Node Frameworks	Express, Consign, Passport, Pg, Mongoose
Servers	Wildfly, Nginx, Apache Tomcat
Analytics Tools	Metabase, ELK Stack, Mixpanel, New Relic
CI/CD Tools	Gitlab, Jenkins, Docker
Collaboration and Project Management Tools	Slack, Invision, Confluence, JIRA
User Experience Design	Adobe XD, Photoshop
Animation	Reallusion Iclone
Payment Gateways	Paypal, Stripe, Paidy
Operating Systems	Windows, Ubuntu, Mac OS
SMS Services	Twillio, Authy
Methodologies	Waterfall, Agile, Scrum
Domain	Retail, Hospitality, Banking

## TECHNICAL WORK EXPERIENCE

**Tata Consultancy Services Limited, Kochi, India**

(Aug 2015 – Present)

System Engineer (2 years and 9 months as on 03rd April 2018)

- **Appointment Booking Market Place for Japanese Service Industry**
  - Designed and developed highly available, distributed, fault tolerant, cached cloud native solutions on the AWS Cloud Infrastructure.
  - Developed REST API's for the platform in using JAVA EE, Node JS and Spring Framework
  - Designed and developed schemas for multiple modules for the platform from PostgreSQL, MongoDB
  - Developed Analytics Platform for the system to visualize data along with capturing of KPI's for digital marketing framework.
  - Designed and Developed Referral Marketing Framework, Message Inbox, Push Notifications, Log Framework, Multilingual Content Generation Framework, Batch Systems, Payment Mechanisms, OTP Generation, Email System and Audit Management.
  - Performed Log analytics using ELK Stack
  - OAuth 2.0 Authentication using Spring Security OAuth2
- **Integration project for a top UK Retailer**
  - Developed flow functions in webMethods for EAI

## RESEARCH EXPERIENCE

**Cochin University of Science and Technology, Kochi, India** (Nov 2014 – Apr 2015)  
Undergraduate Research Assistant (6 months as part of Final Year Academic Project):

- **Secure and Efficient Data Mining over Encrypted Cloud Data using Searchable Symmetric Encryption Schemes, Homomorphic Encryption and MapReduce.** Part of the implementation team of a research project in the university that focuses in enabling privacy protected search while handling large amounts of data on public clouds.

## COMMUNITY EXPERIENCE

- **MSDN, Mozilla Student, Free Software Community** (Nov 2011 – Apr 2015)
  - Active member of the developer community in college for developing mobile and web apps across multiple platforms
  - Part of Mozilla maker party team held at the University
- **Technology Evangelism** (Nov 2011 – Present)
  - Educating young and old about technology, how to use them, their endless possibilities and helping them to adopt new innovations as part of their digital transformation.
  - Helping the old to get adapted with digital payments, ATM's, Online transactions, Internet banking etc.
  - Spreading the awareness about Open Source, Privacy and Data Protection and Data Security within the neighbourhoods
  - Provided almost free design, development and technical consultation for small scale businesses.

## MANAGERIAL EXPERIENCE

- **Annamanada Grama Kshemam Nidhi** - Investor, Technical Advisor (Community)
- **CUSAT** - President, Association of Computer Engineering Students (Formerly)
- **Holy Grace Academy** - School House Captain (Formerly)
- **Holy Grace Academy** - Member, Alumni Association
- **TCS** - Managed and Lead a Technical team of 4 members during the TCS ILP - Training Program

## EDUCATION

- **B.Tech Computer Science and Engineering** From School of Engineering, Cochin University of Science and Technology with **76.36 pc (First Class With Distinction)** - APRIL 2015
- XII with 78.4 pc in CBSE - MARCH 2011,
- Xth 89.16 in CBSE - MARCH 2009

## PROFESSIONAL AFFILIATIONS

- **ASSOCIATION OF COMPUTER ENGINEERING STUDENTS, CUSAT** (Aug 2012 – Apr 2015)
  - Held the posts of President, Joint Secretary, and Executive Member etc.
  - Organized professional training programs and workshops.

## AWARDS AND ACHIEVEMENTS

- **TCS** – “Best Team Award”
- **TCS** - “On the Spot Award” for putting extra efforts to create an analytics platform and for the display of continuous dedication and commitment towards the organization.
- **TCS** - “Star of the Learners Group”. Best performer in the Initial Learning Program (Training).
- **CUSAT** - Selected to assist an ongoing research project in the university due to the exemplary display of technical skills and practical knowledge throughout the course.
- **Community** - Entered the top 1000 rank worldwide in DVLUP program (now MSDN) in developing mobile applications.
- **Holy Grace Academy** - “Best Student of the Year Award “for exemplary display of skills in Academics, Arts, Sports, Public Speaking and Leadership qualities.

## SOCIAL AND CONTACT INFORMATION

- **Website:** <http://gokuldasputhenpurakkal.com>
- **Email:** [gokuldas.puthenpurakkal@gmail.com](mailto:gokuldas.puthenpurakkal@gmail.com)
- **GitHub:** <https://github.com/gokuldas-puthenpurakkal>
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## PERSONAL

- **Date of Birth:** 09<sup>th</sup> September 1993
- **Nationality:** Indian

## HOBBIES

Networking with people, Technology Evangelism, Animation and Graphics Design, Stamp Collection, Application Development, Social Service, Playing Football, Listening to music. Photography

## REFERENCES

Dr. M Sudheep Elayidom	Associate Professor, CSE, SOE, CUSAT	sudheepelayidom@gmail.com sudheep@cusat.ac.in
Ms. Preetha S	Associate Professor, CSE, SOE, CUSAT	preethamiss@gmail.com
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