ADERSH B

+91 9645414970 | adershbhasker@gmail.com | Portfolio | Trivandrum, Kerala, India.

ABOUT

A Mechanical Engineer unrestricted by trade, with prior competencies in the field of software development, driven by a passion for engineering and a curiosity to explore new frontiers of technology.

EXPERIENCE

- **Assistant System Engineer**, Tata Consultancy Service — Mar 2021 - Present
- **Software Engineer**, Skyslit Network Pvt Limited. Kerala, Trivandrum. — Jul 2019 - Jun 2020
- **INTERN** *: Digital Electronics*, Tachlog Pvt Limited, Kerala, Trivandrum — Jun 2018 - Jul 2018
- **INTERN** : *OSHW and FOSS*, ICFOSS International Centre for Free and Open Source software — Jun 2016 - Jul 2016

EDUCATION

Bachelor of Technology, Mohandas College of Engg. & Tech, Kerala Technological University — Kerala, India
Mechanical Engineering GPA: **7.61 / 10** — July 2015 - Aug 2019

PROFICIENT SKILLS

C, C++, Python, UNIX, MySQL, JavaScript (React JS, React Native, Electron JS, Brain JS, Express.JS), jQuery, CSS, SASS, HTML5.

PROFESSIONAL PROJECTS

- ILLUMINATI 17 & 18 (College cultural Fest)
- COLLOQUIUM 17 (College Technical Fest)
- ICNumACA 18 (International Conference on Numerical Analysis, Computing and Applications in Science, Engineering and Technology)
- Tripbonder.com (An international trip and travel planning portal)
- Tripbonder Native apps
- A QR code based event registration app (Developed aiming demands in college fests and events)
- RBstores (A Trivandrum based online grocery delivery service)
- TIB Online (Revamp of the old native banking app of Altaif Islamic Bank)

OUTREACH AND INITIATIVES

- ICFOSS (International center for free and open source software) as a Volunteer/student Ambassador.
- The Codelab Project as a Mentor/volunteer.
- NSSC'16 (National Student Space Challenge) as Campus Ambassador
- H20 (Helping Hands org. Rehabilitation center for children with autism, cerebral palsy and the elderly.) Actively volunteered for the past three years.
- FSUG tvm (Free Software User Group) as member/volunteer.
- AICRA (All India council of Robotics and Automation) as Campus Ambassador.

CONTINUED EDUCATION

Drupal, Blender, Game Development, FOSS & OSHW, Fusion 360, Deep Learning 101, HyperWorks, Ethical Hacking, Basics of Android, Google Digital Marketing certification, Google Crash Course on Python certification, Geospatial Applications for Disaster risk management

ELECTIVE COURSES

Operational Research, Cryogenics, Propulsion Engineering, Adv. Metal joining tech, Adv. Metal Casting

INTERESTS

Tinkering, Hardware Hacking, Gaming.

PROFESSIONAL MEMBERSHIPS AND COMMUNITIES

ICFOSS, Singularity University, IEDC, FOSSCELL, FSUG (Free Software User Group), KSUM (Kerala Start Up Mission), IEI (Institute of Engineers), OpenDrone Community, µLearn Community, RCindia, Hackster.io, FABLAB Kerala, B-Hub Learn.

PROJECT AND RESEARCH WORKS

- VTOL Bi-Tilt Rotor RC Aircraft (2019) (Dissertation Project)
- IoT Smart Plug and Energy Monitor (2018)
- LIVING SPACE web app. (2017)
- IR Home Automation with Intelligent Lighting (2016)
- Soft-Robot with lateral Undulations and Peristaltic Locomotion using Shape Memory Alloy (2018) (Patent Pending)
- FEA Using Hyperworks (2017)
- PIR Automated Intelligent Zebra Crossing (2017)

SKILL

SOFTWARE : React, React Native (Android, IOS), NodeJS, Express JS, Bootstrap, SASS, Gulp, WebPack, Git, CLI, Electron JS, TDD using Cypress, Redux, AWS, Brain JS, Linux.

HARDWARE : OSHWs, Rpi, 3D Printing, Rapid Prototyping, Robotics and Drone building and Extensive knowledge of Analog and digital circuits

CAD/CAE : AutoCAD, NX, FreeCAD, OpenSCAD, HyperWorks, Ansys, 3D Builder, Blender, Fusion 360.

GRAPHICS : Photoshop, Lightroom, GIMP, Inkscape, Paint 3D, Illustrator, SketchBook, illustrator, Adobe XD.

TOOLS : Ms Word, Excel, Libre Office, LaTEX, Notepad++, Atom IDE, Dreamweaver, Visual Code, Sublime Text 3, Arduino IDE, Postman, Android Studio.

LANGUAGES : English, Hindi, Malayalam, Tamil.

PROFILES

Linkedin :
https://www.linkedin.com/in/trojanwarhead/

GitHub :
https://github.com/trojanwarhead

Others :
https://www.hackster.io/adershb007   https://global.su.org/profile/adersh-b

Date of Birth: 28-07-1996

Education:

COURSE	INSTITUTION	BOARD	%/GPA	YEAR OF PASSING
B.Tech MECHANICAL	Mohandas College of Engineering and Technology	Kerala Technological University	7.61	2015 - 2019
XII (Computer science)	Kendriya vidyalaya Pangode.	CBSE	67.4	2014 -2015
X	Kendriya vidyalaya Pangode.	CBSE	9	2011-2012

Current Employment status: Freelance Developer,

Notice Period: Immediate

Employment History:

➕ **Software Engineer (Front-End Heavy)**

Previous employer: Skyslit Network Pvt. Ltd. CIN: U72200KL2016PTC040036

Employer Address: TC 43/797/8, Kamaleswaram Trivandrum 695009, KL, India

Employer Details: Dameem Shahabaz (MD), dz@skyslit.com, +91 – 949 505 8000

Position Held: Software Engineer

CTC: 3 LPA

Tenure period: July 2019 – June 2020

Experience Certificate: Link

Skyslit is a small start-up company based in Trivandrum, Kerala. that provides business consulting, information technology and outsourcing services with several multination client as well as local clients. I joined this company at its budding stage right after my final semester exams at college which in fact makes me one of the founding employee of the company. With the strength of only a hand full of people the role and responsibilities I held in this company was diverse and broad, but after my initial training I was assigned the primary role of the lead front-end developer where I worked on several Web, Native and Desktop solutions using React library, my core activities included:

- Develop software solutions by designing, developing, and testing with focus on UI/UX development, with functional and API integration.
- Deploying, testing and managing the entire Android side of the projects.
- Liaising with colleagues to implement technical designs
- Investigating and using new technologies where relevant
- Improving system quality by identifying issues and common patterns with emphasis on the overall user experience of the product.
- Determine operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions.
- Exploring current market opportunities and keeping aware of future scope of technologies
- Enhancing applications by identifying opportunities for improvement, making recommendations and designing and implementing systems
- Maintaining and improving existing codebases and peer review code changes
- Providing information by collecting, analysing, and summarizing development and service issues.
- Accomplish engineering and organization mission by completing related results as needed.

PROJECT	DESCRIPTION	ROLE AND RESPONSIBILTY	ADDITIONAL DETAILS
Tripbonder (Public website & Admin Control Panel)	An international trip and travel planning portal which connects local trip agents and providers to the travelers from all around the world	Lead Front-End Developer : • UI/UX Development • Functionality and API Integration • SEO, SEM and Analytics • TDD using cypress • Mutli language / currency integration	https://www.tripbonder.com/
Tripbonder Native App		Lead Front-End Developer : • UI/UX Development • Android / iOS specific optimization. • Functionality and API Integration • Android app management, testing & deployment	https://play.google.com/store/apps/details?id=com.tripbonder.app
Event App	Developed aiming demands in college fests and events	Sole Developer for the entire project : • Complete UI/UX Design & Development • Functionality and API Integration	https://play.google.com/store/apps/details?id=io.skyslit.events
RBstores	A Trivandrum based online grocery delivery service	Front-End Developer : • UI/UX Modification • Functionality improvements	https://play.google.com/store/apps/details?id=in.rbstores.app
Lakshya PSC Kerala	Lakshya Kerala is an e-Learning app that provides users with an easy way to learn and tackle govt. exams.	Front-End Developer : • Minor UI/UX development • Functionality of UI elements	https://play.google.com/store/apps/details?id=com.lakshyakerala.app&hl=en_IN

Freelance Developer (June – Present)

Hirer**:** Bibin Prathap (Senior FS Developer)

Contact: +971 569245365

https://www.linkedin.com/in/bibin-prathap-4a34a489/

PROJECT	DESCRIPTION	ROLE AND RESPONSIBILTY	ADDITIONAL DETAILS
TIB Online	An Online e-Banking App for Altaif Islamic Bank	Front-End Developer : • Complete UI/UX Design & Development • Functionality and API Integration • Unit test Api	https://play.google.com/store/apps/details?id=com.altaifgroup.atexapp.iraq

DECLARATION

I Hereby declare that all the details mentioned above are in accordance with the truth and fact as per my knowledge and I hold the responsibility for the correctness of the above-mentioned particulars.

Place: Trivandrum
Date: 18-02-2021

Adersh B