

HARIESHWAR J A

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Summary

I'm an enthusiastic engineer with nearly 3 years of experience in full stack web development and architecting Industrial IoT solutions, aiming to become a technocrat in the computer science industry. I excel in using latest technologies: [React](#), [Three.js](#), [D3.js](#), [Express.js](#), [Python](#), [FastAPI](#), [PostgreSQL](#), [InfluxDB](#) (a timeseries database), Unified Architecture protocols like [OPC UA](#), and [Elastic Stack](#) to build full stack solutions for cinema robot programming GUIs, industrial internet of things (monitoring and control dashboards hosted in the cloud), semiconductor validation and testing GUIs, and big data management software (semiconductor data). I have proved my competence in areas like research and development, problem solving, technical knowledge, mentoring, leadership, team management, agile thinking, etc., and got highly recognized for the value I bring into the projects. I have experience in procuring new projects, driving projects end-to-end, mentoring teams, and providing well-engineered solutions, meeting the industry standards.

Experience

Soliton Technologies Private Limited (Full Time Employment – 2 years 11 Months) **Coimbatore, India**

Soliton works with global companies, from startups to Fortune 500, across industries including Semiconductor, Medical Devices, Automotive, and Robotics to help them increase their competitiveness and release great products through Digital Transformation Services (Partnered with [NI](#) - National Instruments).

Senior Project Engineer

Jun 2022 – Present

Owned short-term and long-term projects driving them end-to-end, mentorship of more than 4 engineers and bringing technical innovations to the projects.

- Set standards in coding, documentation, and normalized best practices in React Frontend Development across the organization.
- Followed Agile Mindset in multiple occasions to bring in more value than expected from the projects.
- Got repeating appreciations from customers, team and organization for my technical skills, innovation, critical thinking, and contributions.
- Notable Awards: 2 times winner of “Star Soliton” award – one of the highest recognitions for the hard work and value addition to the organization.

Project Engineer

Aug 2020 – Jun 2022

Learnt/Experienced full stack web development, initiating team (or) organization wide technical discussions, mentorship of junior engineers/interns, and adding value to projects/teams/organization with the motive to become a technical senior developer.

- Worked as full stack web developer ([PERN stack](#)) while exploring various technologies and learnt to provide solutions with high industrial standards.
- Explored on Industrial IoT solutions and architected/driven multiple projects in the same front.
- Got great appreciations for my contribution towards providing innovative solutions in R&D of a new enterprise application with very high market value.
- Mentored and owned a ML project for waveform analysis – generation of anomalous waveforms and improving ML modules to recognize the anomalies (beyond the scope of planned work).

Project Engineer – Full Time Intern

Jan 2020 – Aug 2020

Trained in [LabVIEW](#) and learnt about IT services/solutions provided by the organization, in the market.

- Learnt a new tech stack – LabVIEW, from scratch and understood/applied the key concepts to solve various assignments/problems.

Zoho Corporation (Internship – 1 Month)

Chennai, India

Zoho Corporation is an Indian multinational technology company that makes web-based business tools.

Backend Developer Intern

May 2019 – Jun 2019

Learning Java and backend technologies developed in Java.

- Appreciation for learning to code in a new programming language and understand deeper concepts in short span of time.

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Education

Bachelor of Engineering in Electrical and Electronics Engineering, [R.M.D Engineering College](#) (Affiliated to [Anna University](#)), 2016 – 2020 (**8.57 CGPA – First Class with Distinction**)

- **Projects:**
 - Wireless Power Transmission - 2017,
 - Red Tacton (Human Area Networking) based security systems - 2018,
 - Optimized Solar power plant automations - 2018,
 - Smart and Connected Two Wheelers using IoT – 2019,
 - Bank fraudulence prediction using Machine Learning, and
 - A Power Quality Improved EV Charger with Bridgeless CUK Converter (thesis and practical work submitted – patent pending) – 2020.
- **Achievements:**
 - Top ranking in the department of EEE,
 - High scorer in aptitude/programming tests conducted by [AMCAT](#), and
 - Top performer in [Skill Rack](#) – programming platform.
- **Awards/Recognitions:**
 - Won multiple awards for the projects works,
 - Chess Champion in the intra-college sports meet for 3 consecutive years, and
 - Rolling Trophy winner for the department of EEE for 2 consecutive years.

Higher Secondary Education in Science – State board, [Velammal Matriculation Higher Secondary School](#), 2014 – 2016 (**86%**)

- **Achievements/Recognitions:**
 - Winner of Nations Talent Search Examination, and
 - Top scorer in academics and aptitude tests conducted by School.

High School – CBSE board, [Velammal Vidhyashram](#) (CBSE), 2012 – 2014 (**9.2 CGPA**)

Additional

- **Language Competencies:** JavaScript, TypeScript, Python, HTML, CSS, C, C++, LabVIEW, SQL, MATLAB, Java, R, and Go.
- **Community Services:**
 - Mentored Juniors from my Alma mater to participate in [Smart India Hackathon](#) Grand Finale Software Edition (2022) - National Project contest conducted by Central Government of India.
 - While employed - personal trainer/counsellor for college students to get placed in tech companies and solve problems – as part of Corporate Social Responsibility.
 - During UG – guided my whole department to crack placements/interviews in multiple companies by training them in technical, communication and aptitude skills, and achieved an overall placement of 94% (highest in my alma mater).
- **Extra-Curricular Activities:**
 - Chess ([FIDE ID: 45016500](#); ELO Rating 1279) – Ranked top 350,000 in World Standard Chess Ratings,
 - Table Tennis, and
 - Cricket,
- **English Proficiency:**
 - IELTS (2022) – 7.5 overall band score – CEFR level C1.
 - Business English Certificate Vantage (2018) – CEFR level B2.