

SELVAM R

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Introduction

- Technical Lead(er) driving an engineering team for Taylor & Francis – UBX a global publishing platform.
- Passionate on building engineering workflows and digital products.
- Person who loves technology, tech industry, and enjoys the profession.
- Certified from UT Austin and Practicing AI and ML methodologies
- Wide exposure on different verticals of application development and delivery.
- Expert in eBooks Publishing Platform, e-Commerce and Payments.

Technical Stack

- Web Technologies with Angular as primary stack and React as secondary stack for POC and internal dashboards.
- JavaScript/TypeScript, Angular (versions 9+), Angular CLI, NodeJS HTML5, CSS3, SCSS
- State Management: NgRx, RxJS, Observables
- Component Libraries & Design Systems: Angular Material, Storybook, Tailwind CSS, Bootstrap, Mantine
- Web Accessibility: WCAG Compliance, ARIA Guidelines, EUAA Compliance
- Performance Optimization: Lazy Loading, Code Splitting, Progressive Web Apps (PWAs)
- Build & CI/CD: Webpack, GitHub Actions, Jenkins
- Testing: Jest, Jasmine, Cypress, Karma
- Agile Methodologies: Scrum, Sprint Planning, Retrospectives
- Amazon Web Services – AWS
- Cloudflare
- Artificial Intelligence and Machine learning
- SDK integrations for various verticals
- PostgreSQL, MySQL, RedShift, MongoDB, Redis
- SvelteKit
- Android (till Nougat 7.0), Java (Version 8), SpringBoot

Leadership & Mentorship Experience

- Leading a team of 5 web developers, guiding them in Web standards and technology
- Conducting detailed code reviews for TypeScript & Angular coding standards.
- Organized Angular workshops and mentorship programs.
- Spearheaded frontend architecture decisions for multiple high-traffic web applications.

Problem Solving & Performance Optimization

- Debugged Angular UI issues, reducing load time by 40%.
- Resolved various real time production and customer issues

- Designed a reusable UI component library to standardize frontend development.

Engineering and Management Skills

- Architecture and Solution based on Product/Business Requirements
- Source Code Ownership, management and Code Review Process
- Setting up engineering discipline and standards.
- Documentations – My documents need no external references on the subject (earned an award)
- Educating the team and vice-versa on a weekly routine.
- Building a good work culture and mutual respect in the work group.
- Taking ownership of end-to-end delivery.
- Constructive feedback sessions and conducting an engaging appraisal process.
- Primary goal is to bring in the best from the engineers and build a good engineering community.
- Great fan of worker scripts. I keep building scripts to automate all the repetitive tasks.

Experience – 10+ years

TAYLOR & FRANCIS GROUP | MARCH 2018 - PRESENT

- Tech Lead
December 2022 – Present
- Senior Full Stack Engineer
July 2021 – December 2022 (1 year and 5 months)
- Full Stack Engineer
Mar 2019 – July 2021 (2 years and 5 months)
- Full Stack Engineer - Junior
Mar 2018 - Feb 2019 (1 year)

HTC GLOBAL SERVICES | MARCH 2015 – MARCH 2018

- Software Development Engineer - Android
Jun 2016 - Mar 2018 (1 year 10 months)
- Programmer Analyst - Java
Jul 2015 - May 2016 (11 months)
- Programmer Analyst - Trainee
Mar 2015 - Jul 2015 (5 months)

Education

BACHELOR OF TECHNOLOGY | MAY 2015 | AGNI COLLEGE OF TECHNOLOGY

- Major: Information Technology

Executive Education

PGP- AIML | APRIL 2021 – APRIL 2022 | UNIVERSITY OF TEXAS AT AUSTIN

- Major: Artificial Intelligence and Machine Learning

Project Experience

Works at Taylor & Francis Group

- **Led a team of 6 engineers and built an eReader application for Taylor & Francis which was considered as a gold project of 2024 and it has created a good reception in the publishing industry with many press releases. (Links attached at the end of the profile)**
- Digital eReader application was technically solutioned and delivered by me which gave a rich experience in project delivery and engineering management skill.
- Leading User experience and Onboarding web engineering which built and scales www.taylorfrancis.com and its micro-sites under the same.
- Managing 15 applications in a monorepo with a highly scalable web architecture.
- Working on a Gold Project managing 6 engineers and a business analyst in building an online reading strategy to support epub and pdf reading. A full stack app with multiple publishing specific feature which is going to be pioneer in the industry.
- Lead and delivered a responsive web application for the 19th century British society and Routledge Resources online.
- Micro Frontend Cart Application using Angular 9.
- Payment applications using SvelteKit – Early adoption of Svelte
- End to End web development of Stripe based Alipay, Union Pay integration for Chinese payments.
- Fully developed Single Page Credit Card payment application.
- Automated Serverless Service for handling batch books orders, acknowledgement, and invoice processing.
- Server-side rendered checkout application – Developed the payment by card and invoice flow.
- Managing AWS Infrastructure and integration with the applications and pipelines.
- Bamboo, Travis and GitHub-Actions based CI/CD development and management.
- Part of a engineering team that built a Zero-touch end-to-end eCommerce Solution for online E-Book business.
- Worked on Auth API Micro-Service.
- New Relic, Sonar cloud, Epsagon and other SDK integrations.
- Built Developer Dashboard.

Works at HTC Global Services

- 12 enterprise mobile application as part of HTC's Mobile Centre of Excellence.
- Developed mobile backend for native applications.
- Developed 1 project in Xamarin platform.
- 4 enterprise mobile application as part of Larsen & Toubro IDPL as an individual mobile developer.

Certifications

- Certified Ethical Cracker – Infysec – CyberSecurity Solutions
- Advance Concepts of Networking – HP
HP/ACT/2013/S1898

Portfolio and Web Presence

- <https://eportfolio.mygreatlearning.com/selvam-r3>
- <https://github.com/SelvamRaju>
- <https://www.linkedin.com/in/selvam-raju/>

Professional Honours & Awards

- Best Tech Lead H1 - 2025
- Best Tech Lead - June 2023 – March 2024
- Best Documentation - June 2023 – March 2024
- Star Performer of the Quarter – March 2024
- Delighting Customers – T&F Award - Apr 2022
Award to Payment Platform team for the rollout of Stripe based payment. I was part of web development to build the integration for Alipay, WeChat Pay and Union Pay.
- Digital Delivery - Informa Award – Informa PLC - Jul 2020
Team award from Informa. Was part of winning team. eCommerce Solutions Team.
- Digital Delivery - T&F Award - Taylor & Francis Group - Jun 2020
This is an award for entire eCommerce Solutions team and was part of the winning team.
- Excellence Award for the delivery of the Digital E-Commerce Solution - Taylor & Francis - Oct 2019
- Certificate received from Max Gabriel, CDO of T&F
- Best Technocrat award - Agni College of Technology - Dec 2017
This award was given by Agni college during Alumni meet 2017.
- Employee of the Quarter Jan 2017 - March 2017 - HTC Global Services - Mar 2017
- This is the first award in my career for handling back-end and cloud infrastructure for US based gambling application. The app was patented in USA.

International Press Release of Recent Work

- <https://www.researchinformation.info/news/taylor-francis-launches-most-advanced-and-accessible-ereader/>
- <https://liblog.port.ac.uk/blog/2025/01/33289/>
- <https://www.infodocket.com/2025/01/21/everylibrary-releases-statement-on-rescinding-e-o-14084-taylor-francis-launches-its-most-advanced-and-accessible-ereader-more-news-headlines/>
- <https://librarytechnology.org/pr/30964>
- <https://www.charleston-hub.com/2025/01/taylor-francis-launches-its-most-advanced-and-accessible-ereader-plus-more-atg-news-announcements-for-1-22-25/>
- <https://newsroom.taylorandfrancisgroup.com/taylor-and-francis-launches-its-most-advanced-and-accessible-ereader/>