



# Tilak Puli

Senior Software Engineer

## Contact

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**Personal Website**

<https://tilakpuli.site>

**Github**

<https://github.com/tilak-puli>

## Technical Profile

- React
- Node.js
- React Native
- TypeScript
- JavaScript
- Java & Kotlin
- HTML
- CSS
- NestJs
- AWS
- PostgresDB
- GraphQL
- Spring Boot
- Ruby on Rails
- Express Js
- Next JS and Tailwind CSS
- Golang
- Mongo DB
- Bluetooth Low Energy
- JIRA
- Git

Highly motivated and skilled **Full stack developer** with **5+ years** of experience in developing and delivering enterprise-grade software solutions. Proficient in various programming languages and frameworks, with **a focus on frontend development**. Skilled in **Agile** methodologies and experienced in working with diverse teams to deliver innovative software solutions.

## Work History

2023-12 –  
Current

### Senior Product Engineer

*Travelopia*

- As a SPE, contributed significantly to the design and development of multiple products
- Led the Frontend of multiple products while contributing to backend and AWS infra for the same
- Led the new user facing project from inception to production,

2022-09 –  
2023-12

### Senior Software Consultant

*ThoughtWorks*

- Provided technical support and problem-solving expertise to ensure successful implementation of complex technology solutions.
- Evaluated and recommended software solutions, contributing to efficient software architecture planning.
- Coached and mentored interns and new employees, enhancing departmental productivity.

2020-03 –  
2022-09

### Software Consultant

*ThoughtWorks*

- Led the end-to-end development of React web applications for clients, ensuring seamless handover for maintenance.
- Mentored and onboarded new team members, enabling them to quickly contribute to our projects and technology stack.
- Implemented high-performance microservices handling millions of transactions.
- Demonstrated commitment to continuous learning and professional growth in tech stack, best practices, and Agile principles.

2018-05 –  
2019-02

### Intern

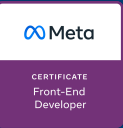
*Thoughtworks*

- Completed the prestigious STEP program at Thoughtworks, a highly selective software engineering program that provides training in modern software development practices and technologies

Competencies

- Technical Analysis
- Responsive design
- Computer programming
- Code testing
- Requirements gathering
- Flexible and Adaptable
- Team Work

Certifications



Meta Front-End Developer

Languages

- English
- Hindi
- Telugu

Interests

- Tech Reading
- Travelling
- Cricket

Project History

2023-12 -  
Current

Senior Product Engineer

Travelopia

- Significantly contributed to **enhancing security** by developing a **secure payment portal** that addresses critical issues in the previous system
- Collaborated with UX Designers to craft an **intuitive interface** for users, **improving itinerary viewing**.
- Created an internal portal to optimize itinerary creation by integrating external bed banks for **hotel and service bookings**
- Led the development of the user facing product** for the team to display travel Proposals and generate more leads.
- Integrated **Google Maps Visualisation with simple to use interface for seamless service booking** near popular attractions.
- Established a **comprehensive reporting system** to keep stakeholders updated on transactions processed via the new payment portal.
- Tech Stack Used:** React, NestJs and AWS

2022-09 -  
2023-12

Senior Software Engineer

MOSIP

- Developed a high-performance **React Native module for BLE communication** in an identity management app.
- Optimized Android BLE layer using Kotlin, reducing transfer time from **40 seconds to 1 second for 150KB**.
- Contributed to a **React Native app used by over 20 million users** for secure identity management.
- Designed and developed open-source React Native SDKs for **mobile security, handling API design, documentation, and testing**.
- Mentored** junior developers in Clean Code principles and React Native best practices.

2020-03 -  
2022-05

Software Engineer

Goldman Sachs, Bangalore

- Developed a scalable web dashboard to manage **300+ AWS accounts** using **AWS APIs, SSM documents, and Lambdas**.
- Led the design and development of a React application** with Redux, Jest, and Ant Design.
- Integrated with a **Spring Boot** backend to deliver structured responses to the UI with pagination.
- Facilitated onboarding and knowledge transfer for new team members.

----Analytics and Credit Stream----

- Designed Analytics dashboard for real-time visualization of **300,000+ transactions and 2000+ accounts**. Handling **large data coming from** data lakes through Apache Flink pipelines
- Improved user experience with **React, Redux, High Charts, and Material UI**
- Reduced API response time from **over a minute to less than 10 seconds**
- Helped team improve **Postgres Database design to improve efficiency and time taken processing**.

- Contributed to Spring Boot microservices and developed **user-facing analytics screens** in a MonoRepo React application.

2019-05 –  
2021-12

## Consultant

*Gojek*

- Developed an employee feedback and reviews web application, optimizing ratings and hikes.
- Migrated **Node.js backend to Ruby on Rails**, enhancing stability and transferring data from **MongoDB to PostgresDB**.
- Expanded **Express JS** backend and introduced a parallel Ruby on Rails backend.
- Managed end-to-end product development: user stories, React UI, backend features, Kubernetes deployment.
- Travelled to **Indonesia for requirements** discussions and user support.
- Improved testing coverage from **40% to over 90% for** backend/frontend repositories.

## Personal Projects

### Cricket Scoreboard Website

- A Website to display scores, records and statistics of cricket matches.
- Tech Stack: NextJs, Typescript, Chakra UI and ReCharts
- <https://step-cric-records.tilakpuli.site/>

### Portfolios website

- A Website to list down my experience and showcase my projects
- Tech Stack: Angular, Typescript, CSS and Material UI
- <https://www.tilakpuli.site/>

### Cricket Scoring Mobile App

- A React Native mobile app to record cricket matches.
- Tech Stack: React Native and Redux toolkit
- [https://play.google.com/store/apps/details?id=com.colossal\\_dreams.scoreboard&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.colossal_dreams.scoreboard&hl=en_IN&gl=US)

## Education

2019-05 –  
2021-05

### Bachelor of Computer application

*Alagappa University – Chennai*

2015-06 –  
2018-04

### Diploma: Computer & Maintenance Engineering

*MBTS Polytechnic College – Guntur, Andhra Pradesh, India*