



# TILAK PULI

## Senior Software Engineer

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### PROFILE INFO

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.

### TECH SKILLS

- React
- NodeJs
- Typescript
- Javascript, HTML, CSS
- React Native
- NestJs
- AWS
- Java & Kotlin
- MongoDB & PostgresDB
- Spring Boot and Java
- Golang

### CERTIFICATIONS



[Meta Front-End Developer](#)

### LANGUAGES

- English
- Hindi
- Telugu



### WORK HISTORY

2023	Senior Product Engineer
Present	Travelopia
2022	Senior Software Consultant
2023	Thoughtworks
2020	Software Consultant
2022	Thoughtworks
2018	Intern
2020	Thoughtworks



### EXPERIENCE

2023	Senior Product Engineer
NOW	Travelopia
<ul style="list-style-type: none"><li>• Significantly contributed to enhancing security by developing a secure payment portal that allows Users pay by multiple payments source like Card and ACH</li><li>• Developed a portal to create travel itineraries and add various services like flights, hotels etc by integration with 3rd party service like Amadeus and IVector that provide lakhs of hotels, flights and other services</li><li>• Led the development of the user facing product for the team to display attractive travel proposals and help users understand the trip better which leads to better conversion rate.</li><li>• Worked on complex features like Google Maps Integration, feature powered by LLM to recommend user itineraries and understand the itineraries</li><li>• Use Vibe coding and help the team to use AI powered Cursor editor to improve the speed and quality of new features.</li></ul>	

**Tech Stack:** React, Typescript, NestJs and AWS



## EXPERIENCE

**2022** Senior Software Engineer

**2023** Thoughtworks – Mosip

- Developed a high-performance React Native module for BLEcommunication 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

**Tech Stack:** React Native, Kotlin, Android, Bluetooth Low Energy

**2020** Software Engineer

**2022** Thoughtworks – Goldman Sachs

- 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

**Tech Stack:** React, Java and Spring boot, Postgres, AWS

**2019** Software Consultant

**2020** Thoughtworks – 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

**Tech Stack:** React, NodeJs, Express, Ruby on Rails, MongoDB, GCP



## APPS & PLATFORMS I'VE BUILT

**2025** Finly – AI Expense Tracker  
**2024** Self

- Built and launched a fully AI-powered personal finance app where users can log expenses and ask questions like “How much did I spend on groceries this month?” in a chat interface.
- Designed and developed the entire mobile app using Flutter, with a Node.js backend deployed as Firebase Cloud Functions.
- Integrated Google AI APIs and applied prompt engineering to parse natural language input for logging transactions and answering analytical queries.
- [https://play.google.com/store/apps/details?id=com.tilakpuli.budget\\_ai&pcampaignid=web\\_share](https://play.google.com/store/apps/details?id=com.tilakpuli.budget_ai&pcampaignid=web_share)

**Tech Stack:** Flutter, NodeJs, Langchain, Gemini AI LLM, Prompt Engineering, Firebase



## EDUCATION

**2019** Bachelor of Computer application  
**2021** Alagappa Univeristy, Chennai

**2015** Diploma: Computer & Maintenance Engineering  
**2018** MBTS Polytechnic College, Guntur, Andhra Pradesh