



Amal George Thomas

Engineering Manager

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Summary

Engineering Manager at Chargebee, working on application development and platform architecture.

I lead the Hosted Pages engineering team. My work involves designing modular systems, planning and executing engineering initiatives, and mentoring engineers.

My interests include cloud engineering, web and mobile application development, robotics, graphic design, visual effects, and motion graphics.

Self-learning is what keeps me motivated. I stay hands-on with architecture and implementation while helping engineers take independent ownership of their work.

Skills

- Platform architecture, scalable microservices, and modular, testable application frameworks.
- Engineering leadership, project planning, cross-team collaboration, and mentoring.
- Designing and documenting REST and event-based APIs; relational and document databases.
- Web application development with React, Vue, TypeScript, and JavaScript.
- Android development with Java and Kotlin; hands-on experience with AWS.
- Visual effects, motion graphics, print and digital design, and video editing.

Tools

Backend: Java, Kotlin, Spring Boot, Redis, OpenAPI, WebSockets, Firebase, AWS, ELK

Databases: PostgreSQL, MongoDB, DynamoDB, CouchBase

Design: Adobe XD, Photoshop, After Effects

Frontend: React, Vue, TypeScript, JavaScript, Android

Professional Experience



Engineering Manager

February 2021 - Present

[Hosted Pages](#), [Chargebee](#)

I lead the Hosted Pages engineering team, working on checkout platforms, application architecture, and engineering delivery. Previously, I worked as a Senior Lead Software Engineer.

- Led the engineering team for Full Page Checkout and took it to general availability. Designed and set up the modular backend and composable UI framework while building the product.
- Designed the application framework and led the initial delivery of Chargebee Payment Components, working closely with Product and Payments on integrations and developer experience.
- Led checkout consolidation and helped take a major frontend migration from technical assessment through production rollout, without customer downtime.
- Contributed to developer tooling, including the Java SDK and typed JavaScript integrations. Improved testing, observability, and operational readiness across the platform.
- Coached engineers to independently own technical initiatives, including implementation, stakeholder coordination, testing, and release planning.



Software Engineer II

November 2018 - February 2021

Connected Cars and Mobility Services, Nissan Digital

Nissan Digital is the IS/IT division of Nissan Motor Corporation, a global automotive OEM and the world's largest EV manufacturer. At Nissan Digital, we were mostly designing and building modern data pipelines using cloud and big data technologies. I've built and contributed to the connected vehicle platform for accepting streaming data from equipped cars, aggregating and transforming them and passed on to consumers, in realtime. Used my experience as a native Android developer to act as a developer advocate for several initiatives at Nissan.

- Built a high-performance data migration utility from scratch to migrate high volume data to several consumers.
- Enhanced factory feed systems to enable them to identify vehicles that are ready to be activated with next-gen capabilities. Built messaging and REST interfaces for integration by consumers for the data.
- Acted as an android developer advocate for building an android app for enterprise-owned single-purpose kiosk devices.
- Built and contributed to the Connected Vehicle platform for the TCU equipped cars where the streaming connected vehicle data is processed and passed on to various consumers in real-time. Built several consumers applications where the connected vehicle information is ingested from the platform, processed with various business rules and provided to various regions. Other significant contributions include performance testing for microservices and data lakes, and a business rule execution engine to enable consumer-tailored data delivery.



Software Engineer

July 2016 - September 2018

Mobility Analytics, Flytxt BV

Flytxt is a Netherlands based global customer engagement solutions provider, harnessing the power of AI for analysing big-data, to derive actionable insights by predicting user needs so as to respond in real-time. I Handled development and management secure mobile applications, for telecom self-care applications, with over million downloads, used by diverse international audiences, for clients such as Safaricom, Ooredoo, Airtel Africa, Ncell and Vodafone.

- Developed and managed telecom self-care applications with vast user bases such as mySafaricom, myOoredoo, Airtel Care and myNcell.
- Developed an integrated mobile customer service management platform for large scale consumers.
- Actively monitoring user feedback and app usage trends to improve product quality and to drive satisfactory issue resolution.
- Pitching app concepts to non-technical decision-makers.
- Introducing the latest programming principles and design patterns to the existing code base to adapt to the ever-changing app ecosystem.

Education

Bachelor of Technology in Computer Science and Engineering

2012 - 2016

Vimal Jyothi Engineering College, Kannur

Completed Bachelor of Technology in Computer Science at Vimal Jyothi Engineering College, Kerala with GPA 65%.

Higher Secondary Examination (DHSC)

2010 - 2012

Rajagiri Higher Secondary School, Kalamassery

Completed Senior Secondary Education in Computer Science with an aggregate of 75% for DHSC.

Secondary School Leaving Certificate (SSLC)

2000 - 2010

Rani Jai Higher Secondary, Koothuparamba

Completed Secondary School Leaving Certificate course with an aggregate of 88% for State Syllabus.

Soft Skills

- Capable problem solver
- Good communication skills
- Time and project management
- Leadership skills
- Team player

Achievements

- Actively contributed to Nissan's Connected Vehicle Platform, Gamma, which won the best product spotlight award 2020.
- Winner at website development contest organized by IEEE Industry Applications Society. Secured 3rd prize globally and was awarded at IEEE IAS Annual Meeting 2015 held at Dallas, USA.
- Finalist of Techunt 2013 – India's 1st talent hunt for Entrepreneurship Competition held at Indian Institute of Technology, Bombay.
- Presented proof of concept for competitive projects at IIT Madras and IIT Bombay.
- Founded and ran an active IEEE Computer Society Student Chapter at Institute.
- Institute Union Magazine Editor.
- Won prizes in national level technical festivals for quizzes, designing and robotics events.