

Manu A C

Senior Software Engineer at Locus.sh

[LinkedIn](#) | [Github](#) | <http://www.manuac.in>

ABOUT

- At present, Manu is a Senior Software Engineer at Locus. As an SSE, he is heading a team called **FieldPro** which comprises Engineers, a Data Scientist, a Designer, and a Product Manager.
- Responsibilities on a day to day basis include writing code, coming up with tech designs and discussion with other tech leads to finalise on the tech approaches, mentoring juniors, and PR reviews. On the revenue side, collaborating with members from the product, data science, and revenue team to gather and prioritise requirements.
- Writing **minimal** and **clean** code is a differentiator. The same is stressed upon while mentoring juniors and PR reviews. Has been the highest-rated dev in quality of PR reviews from the last 2 review cycles.
- 5+ years of experience of working with fast-paced startups (both B2B and B2C organisations).
- Experienced in building **distributed**, **robust**, and **fault-tolerant** systems to handle **scale** from the ground up.

PROFESSIONAL EXPERIENCE

Locus.sh, Bengaluru - Senior Software Engineer

Feb 2017 - Present

Thrillophilia.com, Bengaluru - Software Engineer

May 2016 - Jan 2017

Urban Ladder Home Decor Pvt. Ltd, Bengaluru - SDE

June 2015 - April 2016

Intel, Bengaluru - Application Developer Intern

Jan 2015 - May 2015

EDUCATION

R.V. College Of Engineering, Bengaluru - BE (ISE)

August 2011 - June 2015, CGPA: 8.98

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ADDRESS

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SKILLS

Programming languages:
Proficient in C++ and Java
Good in C and Python.

Web Technologies:
HTML5, CSS3, Javascript.

Frameworks:
SpringBoot, Rails.

Cloud/Databases:
AWS, MySql

Tools:
Elasticsearch, Swagger, Redis

INTERESTS

Distributed systems and Cloud computing.

Algorithms and Data structures.

Chess, Shuttle Badminton, Table Tennis, and Cricket.

Travelling and Trekking.

PROJECTS

Locus.sh, Bengaluru - Senior Software Engineer

Joined Locus as one of the 4 members' backend development team in 2017. At present, heading a product called *FieldPro*.

FieldPro (Salesbeat) 2018-Present:

FieldPro, formally known as [Salesbeat](#) is one of the product suites Locus offers. Salesbeat involves **optimising Human as well as Vehicle movement**. Locus uses MIP (Mixed Integer Programming) to model the problem so that the model can be solved using enterprise solvers like CPLEX and Gurobi.

Handling the complete backend development and collaboration with the data science and product team to work on the roadmap items.

Before owning FieldPro, had been building/working on various features like -

- An architecture for the **graceful shutdown of the EC2 instances** during **auto-scaling** and **de-scaling**.
- A **full-text search engine** using **Elastic search**
- In-house **master management system (CMS)** - One of the most interesting projects worked upon wherein an efficient infrastructure to store **versioned** and **non-versioned entities** to support all the required functionalities was built.
- A generic search engine on the above CMS using **MySQL** and **JSON column** search functionalities.
- Has worked on aggregating **personally identifiable information (PII)** to make the product **GDPR** compliant.
- Has worked on setting up the infra for **Language parameterisation** which addresses both industry-specific naming convention as well as parameterisation w.r.t. standard languages.
- Has worked on setting up infrastructure for integration test suites along with initial test cases for Authentication, Authorisation, and many more existing features at Locus.

Thrillophilia.com, Bengaluru - Software Engineer

Joined Thrillophilia as one of the 2 members' engineering team which was responsible for building and managing the entire Thrillophilia backend. Has worked on building multiple things from scratch, notable among them are -

Eventizer Service:

- It was an event handler service built on Event-driven Architecture. The flow was simple: whenever a registered event occurs, eventizer would validate the event, process it, and trigger any associated actions. These actions were performed through different channels like webhook, email, and SMS. It was used for automating simple use cases like adding virtual currency on user sign up, sending an automated email on a user's booking request, sending a series of emails for the leads from Facebook, etc.

URL Shortener Service:

- It was mainly built for the digital marketing team to effectively track click rates on Facebook ads, email open rates in in-house email campaigns, etc.

Urban Ladder Home Decor Pvt. Ltd, Bengaluru - SDE

- As a member of the Discovery Pod, worked on building an **Interlinking module** as part of the discovery and SEO initiatives
- Had worked on building **Pincode based delivery SLA predictor**. It significantly improved the **conversion rate** as it allowed the user to get **accurate delivery dates** based on the **customer location**.