

# Naveen Kumar M

## Software Engineer

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### WORK EXPERIENCE

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**Bigthinkcode - Software Engineer** 11/2023 - Present

#### Throughput- Backend Enhancements for Supply Chain Platform

**Tech:** Django DRF, Python, Pandas, Swagger/OpenAPI, Docker, Redis

- Improved API performance in **Django DRF** by restructuring filters, optimizing data operations (**Pandas**), and enhancing validation, resulting in ~20–30% faster API responses
- Delivered architectural **improvements** that reduced code complexity and increased **Maintainability** across core backend modules
- Implemented **Microsoft SSO (OAuth2)** for a multi-tenant system and refined **Swagger/OpenAPI** documentation, improving authentication reliability and reducing integration queries

#### Python Microservice Template - Internal Backend Framework

**Tech:** FastAPI, REST APIs, Docker, ELK, Make, Jinja Templating

- Improved onboarding speed by creating documentation and automation scripts, enabling teams to **bootstrap new backend services** ~50% faster
- Designed and built a **reusable** Python microservice template in **FastAPI** with standardized project structure, logging, validation, and API patterns

**Bigthinkcode - Associate Software Engineer** 09/2022 – 11/2023

#### Mercari - Backend Services for eCommerce Platform

**Tech:** Python, Flask, GCP, ArangoDB, Scrapy, Selenium

- Developed **backend automation** services using Python and **Flask** to extract, process, and normalize e-commerce data, improving data-processing **throughput** by ~20–30% and reducing manual intervention.
- Built Python CLI automation scripts that streamlined recurring product-update workflows, cutting **manual effort** by ~40% and enabling **faster release** of requirements and new features.

**Bigthinkcode - Software Intern** 03/2022 – 09/2022

#### Parking Lot- Frontend and Backend Services for Booking App

**Tech:** Python, Flask, PostgreSQL, API design, HTML, CSS, JS

- Built **REST APIs** and **PostgreSQL** data models for booking and availability features, improving response accuracy and speeding up **CRUD operations** by ~30%
- Developed **simple UI** pages and integrated them with backend APIs to deliver a functional booking flow for the **MVP**

### PROJECTS

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**Fastapi React Oauth Integration** ⌚10/2025 - 11/2025

**Tech:** Python, FastAPI, React, Redis, OAuth2, REST APIs

- Designed a modular integration middleware using the **Adapter pattern**, across 3+ SaaS providers (**HubSpot, Notion**), reducing code **redundancy** by ~40% and ensuring secure state management via **Redis**.

### SKILLS

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**Languages:** Python, SQL, C, C++, JavaScript, HTML/CSS, bash

**Frameworks:** FastAPI, Flask, Django DRF, Basic React

**Backend:** REST, gRPC, Microservices, OAuth2/JWT, RabbitMQ

**Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, GitHub Actions, Nginx, ELK

**Databases & Testing:** PostgreSQL, MySQL, Redis, Pytest, Postman

**AI Integration:** LLM, Openai, Gemini, NLP, prompting

### EDUCATION

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**Sri Venkateswara College of Engineering - Chennai, India** 2018 – 2022

B.E. Electrical and Electronics Engineering

**CGPA:** 8.53

### AWARDS

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**Bigthinkcode - Above and Beyond Q1 2025**

### CERTIFICATIONS

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**KodeKloud - Kubernetes for the Absolute Beginners - Hands-on Tutorial**