Kaushik Kakdey Software Development Engineer

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○ **Github** ☑

🖎 **StackOverflow** ☑

EXPERIENCE

- **Kinara Capital (FinTech)**   Bengaluru, India
  Senior Software Engineer   *Sep 2022 - present*
  - **Loan Repayment**: Built Backend system to facilitate payments. Developed, managed & integrated with payment vendors(Razorpay, Airtel Payments Bank, SETU) independently. Driving collection of **Rs. 50 Lakhs+** per day.
  - **Loan Disbursement**: Engineered system which allows to integrate with multiple banks to disburse loan amount to beneficiary, which reduced burden of manual disbursement by **99%**.
  - **Loan Application Screening**: Enhanced loan origination process by developing a pivotal screening system, performing comprehensive checks, managing state, & integrating with external APIs. Serves **1000+ applications/day**. Positioned project for future external partner integration with configurable screening criteria.
  - **Optimization**: Reduced APIs latency by **50-70%** by refactoring DB indexes, cache & post-request processing tasks.
  - **Collaboration**: Communicated with teams(internal & external) to get comprehensive understanding, clear blockers & deliver.
  - **Tech/Tools**: Go, Typescript, Python, NestJS, MySQL, Nginx, Redis, AWS(EC2, SES, S3 etc), Kubernetes, Gitlab, Linux.

- **Crest Data Systems (IT Services and Solutions)**   Pune, India
  Software Engineer   *Jan 2022 - Sep 2022*
  - **Critical Code**: Rewrote critical portion of legacy code where software failure was possible.
  - **Test Driven Development**: Followed TDD approach to develop on top of existing complex architecture.
  - **Role Based Access Control**: Worked on RBAC microservice for controlling access of the product.
  - **Event based E-mail service**: Implemented Email microservice for notification and alerts for the users
  - **Tech/Tools**: FastAPI, SQLAlchemy, PostgreSQL, Alembic, Bitbucket, Swagger Docs, VS Code, Linux.

- **Just Get It Pvt Ltd (E-commerce)**   Remote
  *Software Developer (Intern) - **Certificate** ☑*   *Aug 2020 - Sep 2020*
  - **E-commerce Platform**: Developed an E-commerce platform, handling B2C and B2B business logic.
  - **Newsletter Development**: Created newsletter module, which shared business's information to customer.
  - **Product Module Development**: Created DB Model and API for whole Products Module.
  - **Code Debugging**: Debugged code in project and of new interns.
  - **Tech/Tools**: Django, HTML/CSS/JS, MySQL, GitHub, Postman, VS Code, Linux.

EDUCATION

- **Savitribai Phule Pune University**   Pune, India
  Bachelor of Engineering - Computer Engineering (Honors - AI & ML)   *Jul 2018 - Jun 2022*

SKILLS SUMMARY

- **Technology**:   Backend, Databases, Cloud, Data Analysis.
- **Languages**:   Go, Python, TypeScript, JavaScript, SQL, C++.
- **Frameworks**:   Echo, NestJS, ExpressJS, Django, FastAPI, Flask
- **Tools**:   Git, PostgreSQL, MySQL, SQLite, Redis, VS Code, Postman, Jira/Zoho.
- **Platforms**:   Linux, Web, Cloud.
- **Soft Skills**:   **Ownership**, Leadership, Responsibility, Adaptability, Feedback Reception.

PROJECTS

- **Real time chat app**: Built a real-time chat application using websockets enabling both 1-to-1 and group communication. **Tech:** Go, Websockets, MongoDB, in-memory-cache.   **Link to the project** ☑

- **Driver's Drowsiness Detection System**: Implemented a Driver's Drowsiness Detection System utilizing live video capture. It detects signs of yawning and eye fatigue, triggering alarms for the driver when drowsiness was detected. Achieved success rate 80% in day, 30% at night. **Tech:** Python, OpenCV, Rasberry Pi.

- **python-cricket-scraper**: A python published package which helps to scrape match data for analysis cricket data and other purposes. 12 Stars on GitHub. **Tech:** Python, Pandas, NumPy, requests.py.   **Link to the project** ☑