ARJUN HANDLI

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SKILLS

Programming:	Python, Go, C, Typescript, Javascript, SQL, HTML/CSS, Bash
Tools/Frameworks:	Django, Flask, React, PostgreSQL, MySQL, Redis, SQLite, Docker, Celery, GDB
Misc:	AWS, Git, REST API, GitLab CI/CD, JSON, GraphQL, Postman, Jira
	Neovim, Linux, Optimization, Software Development, Automation

EXPERIENCE

ScanAvert LLC — New Jersey, USA
Software Engineer — *Jan 2024 - May 2024*

- Optimized app to run seamlessly on low-end devices, **reducing storage footprint to under 6MB**.
- Achieved **90%** test coverage in **TypeScript** codebase by integrating test suites in **Jest** and maintained code quality using **Git Hooks** written in **Bash**.
- Collaborated with UI/UX designers using **Figma** to improve user experience of **React Native** application.

PeerXP Pvt. Ltd — Bangalore, India
Software Engineer — *Nov 2020 - June 2022*

- Led development of **SaaS** product using **Django**, **React** and **PostgreSQL** scaling to **500+** active users.
- Designed scalable microservices architecture using **AWS** and **Docker**, achieving **99.9%** uptime.
- Optimized database performance with indexing and **Redis** caching, reducing query times by **60%**.
- Reduced deployment time by **70%** through centralized dashboard for all **GitLab CI/CD** configurations.
- Built cross-platform **REST API** wrapper to centralize access to GitHub, GitLab, and Bitbucket servers.
- Took initiative to implement **SSO** solution using **OAuth** and **Keycloak**, providing unified access across all platforms and streamlining onboarding from days to minutes for **500+** users.
- Developed internal automation services using **Python**, **Cron**/**Celery**, boosting developer productivity by **40%**.
- Managed onboarding of developers, served as the main point of reference, and delegated tasks to them.

Qzense Labs — Bangalore, India
Software Engineer — *Aug 2019 - June 2020*

- Achieved an accuracy of **95.2%** in predicting sugar content in fruits by training a linear regression model.
- Architected real-time **ETL** pipelines for IoT device data streams using **MQTT** protocol.

EDUCATION

New Jersey Institute of Technology — *Sep 2022 - May 2024*
Master of Science - Computer Science — **GPA: 3.97/4.00**

- Relevant Coursework: Advanced Database Systems, Algorithms, Operating Systems, Computer Networks

JSS Academy of Technical Education — *Aug 2015 - July 2019*
Bachelor of Engineering - Computer Science

PROJECTS

Hacker News Job Scraper - github

- Wrote a **Flask** app to scrape job postings from Hacker News using **BeautifulSoup** for parsing HTML.
- Added features for users to track job application status and filter jobs by role, skills, visa requirements or location.

Ledger App - github

- Built a Django backend for financial management, supporting transactions, account transfers, and audit logging.
- Increased system efficiency and automation by implementing Django Signals for internal process automation.

Key-Value Database - github

- Built a **custom database** in Go using slotted pages for efficient record storage.
- Implemented memory compaction algorithms to minimize fragmentation and optimize disk I/O operations.