

# Donga Kasi Pavan Kumar

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## Skills

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- JavaScript | TypeScript | Node.js | Express | HTML | CSS | React | Git | Dart | Flutter | Python | Django | PostgreSQL
- Google Cloud Platform | Cloud Computing | CI/CD | Jest | Unit Testing | End-to-End Testing | Playwright | OOP | Docker
- Project Management | Mentoring | Frontend | Backend | Full-Stack | English, Hindi – *Professional proficiency or above* | Japanese – *Elementary proficiency*

## Experience

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### Lead Software Engineer | Swadesh (YC S19) | Jun 2022 - Jun 2024 | Gurugram, India

- Led the full lifecycle design and development of Swadesh GlobalPay, an innovative cross-border remittance platform facilitating seamless transactions between India and the United States, surpassing **\$100K in transaction volume**. This included identifying **system requirements, integrating with partners, workload balancing, software implementation, engineering, testing**, configuring metrics and alarms.
- Presented Swadesh GlobalPay at an educational fair in Mumbai, securing 50+ new customer sign ups through a **compelling and informative talk**.
- Designed and implemented a highly **scalable** and **modular** webhooks system utilizing **message queuing**, increasing event processing throughput by 50%, enabling real-time data processing for critical business applications.
- Developed customizable business dashboards leveraging **Retool's** low-code platform. These dashboards provided real-time data visualization, facilitated data exploration, and empowered users with self-service analytics and administrative actions.
- Spearheaded the initial development of cross-platform Swadesh Banking mobile app using **Flutter** and **Riverpod**, defining the technical foundation with decisions on **state management**, scalable project structure, and secure local authentication (Face ID / Fingerprint).
- Continuous Integration / Deployment Pipeline Integration, pull requests, code reviews, load / stress testing, Unit / integration / E2E testing.

### Software Engineer | Swadesh (YC S19) | Oct 2021 - Jun 2022 | New Delhi, India

- Led the development of Ramayana Capital, a visually stunning story-based game built with **Next.js, Serverless Functions**, launched strategically on Dussehra 2021. The game garnered over 300 players within a day and achieved 5th place ranking on [Product Hunt](#), demonstrating its captivating gameplay and cultural resonance.
- Led the development of Postcard, a social media widget built with **Flutter** and **Riverpod**. This widget leverages **Firestore Realtime** functionality to display live photos from your friends directly on your home screen, fostering a sense of connection and a glimpse into their daily lives.
- Delivered and refined 3 MVP mobile applications using **Flutter** to solve problems in cross-border fintech.
- Built interactive internal dashboards using **Next.js, TailwindCSS, Serverless Functions** to empower teams with real-time data visualization and self-service administrative actions.

### Frontend Developer | Freelancer | Feb 2021 - Oct 2021 | Remote

- Developed a modern Applicant Tracking System (ATS) utilizing **React.js** for a user-friendly interface and integrated with **RESTful APIs** for business logic.
- Built a **mobile-responsive** landing page for a financial services startup, leveraging **Next.js** for a performant and **SEO-friendly** experience, and integrated **Contentful CMS** for easy content management.
- Authored a successful **Next.js, MongoDB** and **Docker** course, garnering over 120 international students. This comprehensive program equips learners with the skills to build full-stack applications.

## Education

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### Bachelor of Engineering | University of Mumbai | Jun 2018 - Jun 2022 | Mumbai, India

- Major in **Computer Engineering** | **CGPA: 7.9 / 10**
- Served as web developer for the National Service Scheme (NSS) unit.

## Projects

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- **JSCrates**: Led a collaborative effort to develop an open-source package manager for the **Node.js** ecosystem. Link to [GitHub](#) repository. (Jun 2021 - Apr 2022)