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# Ponnam Karthik

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Github: <https://github.com/PonnamKarthik>

Blog: <https://karthikponnam.medium.com>

## SKILLS

Flutter, Android, iOS, Dart, MySQL, HTML, Javascript , NodeJS, Typescript, Angular, VueJS, NuxtJS, Java, Kotlin, PHP, Python , Pandas , NumPy , SQL , NoSQL, AWS, React

## EDUCATION

**B Tech - ECE (70%)**

**Christu Jyothi Institute of Technology and Science - Jangaon**

**2013 - 2017**

## WORK EXPERIENCE

### Software Engineer

#### GSynergy

September 2023 - Present

- Developed applications using React.
- Developed various applications using Flutter Mobile, VueJs, and Django.
- Implemented state-of-the-art product development activities, with a focus on back-end development, including database design, performance, and security.

### Director, CTO & Lead Full stack Software Developer

#### LDev Technologies

January 2020 - July 2023

- Developed various applications using Flutter Mobile, VueJs, and Django.
- Implemented state-of-the-art product development activities, with a focus on back-end development, including database design, performance, and security.
- Streamlined the software development cycle by implementing Agile methodologies, resulting in a 30% decrease in development time and a 25% increase in product quality.
- Conducted code reviews and provided constructive feedback to other developers.
- Served as the technical point of contact for clients.
- Leveraged AWS services such as Amazon S3, Amazon RDS, Amazon EC2, and Amazon Lambda.

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## Full Stack software developer

### Cognitive Systems

January 2018 - December 2019

- Developed real-time fraud detection AI for proctored exams.
- Built features and applications with a mobile-responsive design.
- Designed client-side and server-side architecture.
- Developed mobile apps using Flutter for users to take proctored exams.
- Leveraged AWS services such as Amazon S3, Amazon RDS, Amazon EC2, and Amazon Lambda..

## Full Stack software developer

### Chandigarh Transport Undertaking (CTU)

July 2016 - December 2017

- Extracted data from primary and secondary sources using automated tools.
- Maintained databases and reorganized data in a readable format.
- Performed data analysis to assess quality and identify trends and patterns.
- Prepared reports for management and stakeholders to support decision-making.

## Freelance Software Developer

January 2015 - June 2016

- Collaborated with development teams and product managers to ideate software solutions.
- Designed client-side and server-side architecture.
- Built front-end applications with appealing visual design.
- Managed databases and applications for optimal functionality.
- Developed APIs and conducted software testing.
- Ensured software responsiveness, efficiency, security, and data protection.

## ACHIEVEMENTS

- Delivered a presentation on state management at **Flutter Forward Extended Hyderabad**.
- Conducted Training in Android Development for 20 days in **NITTTR, Chandigarh**
- Conducted a Guest Lecture in Android Development in **NITTTR, Chandigarh**
- Second Prize in Project Exhibition in TechnoZeal 2K17 ECE Department in CJITS
- Secured 1<sup>st</sup> prize in Technical Quiz conducted in Srujana-2K15.
- Secured 2<sup>nd</sup> prize in Project Exhibition conducted by Srujana-2K15

## PROJECTS

- **Naan Mudhalvan**

- Led the mobile app development team and web frontend development team for the Naan Mudhalvan project, benefiting 1.2 million students in Tamil Nadu.
- Project reference - Vanitha Venugopal, Chief Strategic Officer, TamilNadu Government - Naan Mudhalvan Initiative, +91 9840834131

#### - **Viusasa Mobile App & Citizen Digital App**

- Developed a mobile app for Viusasa using Flutter for both Android and iOS platforms.
- Used by more than 1 million users.
- App link: <https://play.google.com/store/apps/details?id=com.viusasa>
- App link: <https://play.google.com/store/apps/details?id=newsapp.citizentv.royalmedia.citizentvnews>

#### - **ISUZU CIMS Mobile App**

- Developed a mobile app for ISUZU using Flutter for both Android and iOS platforms.

#### - **CEC New Delhi**

- Designed an app providing access to over 30,000 courses.

#### - **TiC TiC**

- Designed and developed an app for CTU (Chandigarh Transport Undertaking) and it deals with the Tracking of public buses using GPS and will provide an application to track the buses in live. Where in users can track the live status of the public buses with ETA's

## **JOURNAL PUBLICATIONS**

- Pranay Madasi, Karthik Ponnamm, Prashanth Mandalapu and S.S.Sreeja Mole, 2017, Passenger Information System with a Virtual Assistant, **Asian Journal of Applied Science and Technology (AJAST)**, Volume 1, Issue 3, Pages 252-254

## **CERTIFICATIONS**

- **Google India Challenge Scholarship** Certificate from **Udacity** for a period of **February 2018 to May 2018**
- **Google Cloud Platform Fundamentals: Core Infrastructure** from Google Cloud
- Certificate of Appreciation from **NITTTR, Chandigarh** for Developing Android Application and its backend for **CEC (Consortium For Educational Communication), New Delhi**
- Internship Certificate from **Department of Urban Planning, Chandigarh** Administration for a duration of 2 Months.
- Participation Certificate in JAIBC at state level Business challenge conducted at [Deloitte](#) in 2014 & 2015.