

# Kaarthik Rao Bekal Radhakrishna

Software Developer



+49-17641994918



Paderborn, Germany



karthik.0703@gmail.com



karthikraobr.github.io



karthikraobr



/1309509/geekboy



/in/karthikraobr

## Competencies

Go • JS • C# • Java • Git

SQL •  $\text{\LaTeX}$

Nim • Python • Microservices

## Languages

English

German

## Projects

**VisuFlow** - An Eclipse plugin for developing Static Analyses using the Soot framework

[github.com/VisuFlow](https://github.com/VisuFlow)

**go-nxprd** - GO wrapper for NXP's NFC Reader Library for the Raspberry Pi.

[github.com/hohlerde/go-nxprd](https://github.com/hohlerde/go-nxprd)

## Education

Oct 2015 - Present **MSc., Computer Science**

University of Paderborn, Germany

Sept 2007 - July 2011 **BE., Information Science**

Visvesvaraya Technological University, India

## Research

July 2017 - Present **Incremental Support of Static Analysis Code**

Fraunhofer IEM

- Introducing incremental support to the VisuFlow framework so that changes to the analysis code are reflected immediately in the UI
- Extend the Soot framework to support incremental updates to the analysis code.
- Design and implement a novel method to incrementally update the analysis when it undergoes incremental changes.
- **Stack:** Java, Git

## Experience

Mar 2016 - Present **Student Research Assistant**

Diebold Nixdorf

- Active developer in the R&D department.
- Co-developed a Go wrapper for NXP's NFC Reader Library.
- Built a REST wrapper for Shared libraries using Nim.
- Built an Amazon Alexa skill in Go which brings up a file on all the connected clients.
- Fixed bugs in a proprietary encryption algorithm.
- **Stack:** Go, Nim, Git.

July 2011 - Sept 2015 **Full Stack Developer**

Sonata Software

- Developed a search engine based on SOLR.
- Built an engine which filters rules based on certain combinations, from a collection of more than 500,000 rules.
- Migrated a data intensive commercial web application from jQuery to AngularJS.
- **Stack:** C#, Windows Azure, LINQ, MVC3/4, ASP.NET, ADO.NET, Entity Framework, jQuery, AngularJS CSS, HTML, Git.

## Achievements

June 2016 - Present **Advisor**

Walnuts

- One of the tech advisors and developer of the CMS system.

## Interests

Automobiles, Javascript, Travelling and Food.