Karthik M Bangera

Software Engineer

Passionate software engineer with 8+ years of experience in developing high performance web applications

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SKILLS

Golang · JavaScript · Node.js · Angular 1.x · Git · Docker · CouchDB · MySQL · MongoDB · Python · Java · React · Django · Google AppEngine · HTML5 · CSS3 · jQuery · Pug · Jinja2

WORK EXPERIENCE

Lead Software Engineer
Exclaimer (acquired Periodic in 2022)

02/2022 - 01/2023

Technology stack: Golang, Docker, Azure, AWS, CouchDB, MySQL, Angular1.x, CoffeeScript, Pug

- Designed and developed several highly scalable and robust Golang API calls for Exclaimer appointments.
- Integrated with Outlook API to get real time calendar availability leading to improved time accuracy on customer booking sites.
- Developed single sign-on functionality by integrating with Microsoft Identity resulting in seamless login across different applications.
- Improved application scalability significantly by using Azure Service Bus to handle large volumes of outlook event notifications.
- Experience with Golang application containerization and deployment using Docker to enable portability and scalability.

Application Developer
Periodic

02/2016 - 02/2022

Technology stack: Golang, Node.js, AWS, CouchDB, Angular 1.x, CoffeeScript, Pug

- Developed self-sign-up feature resulting in automation of customer onboarding and reducing drop off rates at sign up form.
- Integrated with Google Calendar and Maps enabling real time booking support for different commercial services.
- Spearheaded projects to integrate payment processors Stripe and Paypal leading to increased monthly recurring revenue.
- Deployed Periodic's Node.js application to AWS for higher scalability and availability.
- Integrated with usage-based billing API enabling improved customer subscription and revenue management.

Python Developer
Center of Research and Learning, Indiana University

06/2014 - 01/2016

Technology stack: Python, Google AppEngine, HTML, CSS, Javascript

- Integrated Mozilla's badge kit API into the Open EdX Online Education platform to enable awarding of digital course completion badges.
- Developed features in Google Course Builder for notifications, comments and archival of student interactions improving course participation.
- Collaborated with learning science researchers to build pilot online courses in biology and mathematics to test efficacy of participatory learning.

EDUCATION

Masters in Computer Science
Indiana University Bloomington

Bachelors in Computer Science
Visvesvaraya Technological University