

Kaushik Neelichetty

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Education

SRMIST, Kattankulathur
B Tech in IT (May 2017)
Gold Medallist
CGPA - 9.89/10

Skills

Programming - Java, GoLang, C#, JavaScript, TypeScript, Ruby
Frameworks - Spring, Gin, .NET Framework, React, Rails
Cloud Infrastructure AWS, Azure
CI/CD Atlassian Bamboo, Azure Devops
Database - Postgres, SQL Server, DynamoDB
Agile Software Development XP, Pair Programming, Test Driven Development, Clean Code, Simple Design, CI/CD

Mentoring

Alumni Mentor, IoT Alliance, SRMIST [Since 2019]
Technical Organizer, IT Association, SRMIST [2015-2016]
Teacher, TechBudds, Initiating Fusion, SRMIST [2014-2015]

Links

LinkedIn://KaushikNeelichetty
GitHub://KaushikNeelichetty
YouTube://Kaushik575
Twitter://@kaushikneel
IoT Alliance [www.iotalliance.in]

Areas Of Interest

Problem Solving
Agile Software Development (Through XP) & Continuous Delivery
Simple Software Design
Software Architecture
Internet Of Things

Awards

- Recipient of the **Shri Dewang Mehta Excellence Award – 2017** awarded by NASSCOM and SRM University on 22nd March 2017.
- Recipient of the **University Merit Scholarship**

Experience

- April 2021 **Thoughtworks** Senior Consultant, Application Developer
Autonomous Quarry Mining Application for a world's leading manufacturer of construction and mining equipment - C++ , ROS , Azure Devops
- Shadowed the assessment of the client's envisioned autonomy platform.
 - Supported the inception phase of an autonomous quarry application.
 - Currently playing a key role in crafting out a CI/CD pipeline for a ROS project.
- August 2020 **Thoughtworks** Senior Consultant, Application Developer
SaaS Expense management solution for a leading TEM product based out of US & UK. - C#, .NET Framework, SQL Server, Azure Devops, TypeScript , React
- Collaborated with Tech Principal to lead technical aspects of Inception.
 - End to end ownership of story development across all layers of the stack.
 - Supported the Tech Lead in various aspects of the delivery phase.
 - Designed the integration of the system with Zoom APIs.
 - Designed the daily sync feature to update required information from Zoom and created Stored Procedures in SQL Server to handle the same.
- July 2018 **Thoughtworks** Consultant, Application Developer
Custom Security Subsystem (IAM) for the first cloud-only bank in Spain. - Java, SpringBoot, Go, Gin, AWS KMS, AWS DynamoDb, AWS RDS, Postgres, Bamboo CI, Harness CD, Microservices
- Developed high performant authentication service in Go language.
 - Developed authorisation system in Java to handle complex regulatory requirements.
 - Co lead a team of 8 developers in the second phase (2019)
 - Created and executed a mitigation plan for unplanned QA unavailability.
 - Created a sustainable on-boarding plan for new developers and QAs.
- May 2018 **Thoughtworks** Consultant Graduate, Application Developer
Zero downtime data migration using AWS DMS for a world leader in the exhibition industry. - AWS CloudFormation, AWS RDS, AWS DMS, Bamboo, SQLServer, Postgres, EF Core
- Independently planned and executed the zero downtime migration of schema and data for two application databases. Migration happened from SQL Server to Postgres.
 - Leveraged toggles to avoid code changes in the process of migration.
- Feb 2018 **Thoughtworks** Consultant Graduate, Application Developer
Internal tool for employee Goal Setting and Feedback - ReactJS , Ruby on Rails, Postgres
- End to end ownership of story development across all layers of the stack.

Other Projects

- POC for a **captive portal based event participant registry** for a UK based leader in the exhibition industry
- Design and implementation of a **IoT Testbed and Development Environment**. [Undergraduate Major Project].

- **Anti-theft device** for CCTV cameras based on Arduino Uno and Raspberry Pi. Funded by the Director (E&T), SRMIST.
- An **IOT based Weather Station** with Raspberry Pi.

Publications

- Design and implementation of a service based test-bed and working platform for the Internet of Things, submitted for the PICom2017 conference
- Building Automation and Energy Control using IOT- Smart Campus. Published in IEEE Xplore Digital Library **DOI 10.1109/ICCCT2.2017.7972303**
- Building Automation and Context Aware Energy Consumption Using IoT - Smart Campus, submitted for publication in IJAER
- Smart Garage, accepted for oral presentation at ICECDS 2017.