Vamsidhar Reddy Bada

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Education

Master of Science in Computer Science **May 2021**
University of Florida, Gainesville, FL *4.0/4.0*

Computer Science & Engineering **May 2016**
VIT University, Vellore, India *8.77/10.0*

Work Experience

Senior Software Engineer **Aug 2016 – Jul 2019**
Mahindra Comviva, Bangalore

Projects

TerraPay

- **Partner Integrations**
  - Managed relationship with over 20 clients; Coordinated with teams in US, UK & Africa accounting for projects worth over $1M.
  - Handled **Western Union** & 10+ global financial leaders like **Ripple** into TerraPay's financial network.
  - On-site client experience with Vodacom in Tanzania & **GIMAC** in Cameroon
- **Ledger Management System**
  - Created the financial accounting system for TerraPay which records, monitors and maintains fund balances of 50+ partners.
  - Ledger module processed **over a million** transactions with 100% correctness.
- **Name Matching Algorithm**
  - Designed & developed algorithm to get similarity of two given names; helped to reduce transaction reversals by 80%.
  - Name matching is used as one of the many important validations performed to prevent money laundering.
- **API Parser & Request Throttler**
  - Designed & developed a generic API parser to accept and convert to any data format.
  - Reduced request parsing time by 30% and extended support to complex payloads.
- **Code Quality and Security**
  - Led a team of 5 to identify and improve/fix code quality, code smells and security issues leading to Grade A codebase.
  - Mentored 5 juniors & provided recommendations for best practices, coding standards resulting in a coding standards policy.
- **Blockchain Technology (R&D)**
  - Explored Blockchain Technology & proposed business cases for KYC, distributed ledger for TerraPay system.
  - Implemented prototype of privated KYC blockchain using Python & Django

Positions of Responsibilty

- **Senior Engineer** - Led and mentored a team of engineers for refactoring the code to comply with best practices.
- **On-site Engineer** - assist client to integrate with TerraPay at client location
- **Technical SPOC** - Single point of contact for technical Integrations with US & UK clients like WesternUnion, Railsbank.
- **Prodigy Ambassador** - recruited as Prodigy's student ambassador for University of Florida.
- **Manager** - Managed a team of 50+ students for RIVIERA – VIT's International Sports & cultural Fest, February '16.
- **Student Coordinator** - Managed a team of 20+ students for Gravitas – VIT's Technical Fest, February '16.

Achievements

- **Represented TerraPay's Technical team alongside the CTO** for business conference in Cameroon.
- Delivered a **Guest lecture** on compilers & JIT compilation at VIT Vellore, November '17.
- **Semifinalist** in World Cup Contest & Algorithms Level-3 Badge Holder in **HackerRank**
- Winner of various State-level **Chess** competitions.

Technical skills

- **Languages:** Java, C++, Python, C, Ruby, JavaScript, SQL, Swift, Julia
- **Frameworks/Technologies:** Spring MVC, Sprint Boot, Hibernate, Flask, Django; Web Services
- **Environments:** Eclipse, Jetbeans, VSCode, Vim, Sublime, Atom, PyCharm, Android Studio
- **Version Control System:** Git, SVN
- **Platforms:** Windows, Linux, Apple
- **Other Skills:** Object-Oriented Programming, Data Structures, Designing, and Analyzing Algorithms, Software Engineering