



ABOUT ME

Senior Node Js Full-stack developer, a technical polyglot with 9 years of experience and a strong focus on implementing maintainable systems.

KNOWLEDGE

Each square is one year

Scaling Infra & microservices



NodeJs



Leading teams



Scaling teams



AngularJs, ReactJs



PROFILES

- github.com/pasupulaphani
- linkedin.com/in/phaninder10
- angel.co/phanipasupula

CERTIFICATIONS

- Professional Scrum Master I
- M101JS MongoDB
- IBM DB2 730
- Microsoft 70536 C#.NET
- Microsoft 70526 ASP.NET



ADDITIONAL INFO

PHANINDER PASUPULA

LEAD SOFTWARE ENGINEER

London, UK
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- Agile software delivery with a strong focus on BDD, & TDD. PSM1 certified agile scrum master.
- Architected and delivered maintainable **Typescript GraphQL** apps, **NodeJs es6/es7**, and **RESTful APIs** from the ground up.
- Using modern frameworks to build responsive web applications (ReactJs & Angular).
- In my past 4 projects, I delivered and implemented a progressive plan to move away from a monolith to a microservices architecture. i.e into services, you can make your application much easier to scale.
- Ability to conduct analysis, design, and architecture large-scale software systems.
- Adept at reviewing and enforcing security architecture specifications.

HACKATHONS AND COMMUNITY

- Serial hackathon winner
 - Won 11/19+ hackathons in 2015 alone.
 - Won 6 large hackathons in the past couple of years and the wins include *Bitfinex London 2018* and *Hackjunction Finland 2017*(**Europe's biggest hackathon 1500+** participants) for best in AI, Top 6 finalists, and few other prizes.
- . Organizer for 2018 & 2017 Angelhack London hackathons. I also organize other meetups and hackathons.

EXPERIENCES

AMPHORA, INC.

(COMMODITY TRADING AND RISK MANAGEMENT)
London, UK
Present

Lead Software Engineer

Technologies: GraphQL(NodeJs/Apollo-Server), ReactJs, Redux, Typescript, Apollo-client, Java, Lambda, Docker, AWS, Lerna, TDD, & Puppeteer.

- Re-architect a monolith single page app to modular packaged app(ReactJs).
- Delivering micro-services(**NodeJs APIs**) with speed and agility.
- Implement modular architecture for enterprise-scale JavaScript development across the entire stack.
- Set standards and best practice across our teams in the USA, UK, and India; Set clear technical strategy & methodology.

SUPPORTING EDUCATION GROUP.

London, UK
Jan 2019 – Apr 2019

Lead Software Engineer

Technologies: Kubernetes, Microservices, Typescript, GraphQL(NodeJs/Apollo-Server/GraphQL-Yoga), Lambda, Postgres DB, Redis, ReactJs, Redux, Apollo-client, Docker, Contract Driven Testing, Azure, Paypal, TDD, & BDD.

- Architected and built an online tutoring platform from the ground up: <https://toota.me> , <http://bit.ly/toota-app>
- Gather requirements and put together an implementation plan.
- Actively led product development from discovery through MVP to live release **on time** and **on budget**.

BYTES R&D LIMITED.

London, UK
Sep 2018 – Jan 2019

Lead Software Engineer

Technologies: AWS, Typescript, Java, GraphQL, IOTA, Ethereum, web3 Lambda, Angularjs, ReactJs, Redux, Postgres DB, ZMQ, TDD.

Languages:

- English
- Hindi
- Telugu

WONGA GROUP LIMITED.**London, UK**

Mar 2018 – Sep-2018

- Heading a team of 4 to build a micropayment platform that enables machines to trade.
- Secured seed fund from IOTA ecosystem.
- As a high performing team, we delivered an **Electron Js(NodeJs)**, **ReactJs Redux** on **AWS** IoT dashboard and an **Android** app(**Appium Java tests**). More info: <http://bit.ly/iot-and-android-update>
- Researched and built payment channel prototypes on **Ethereum** and **IOTA** protocols.
- <https://www.insidex.info>, a fun side project, a chrome extension to alert investors about large on-chain token movements.

Senior Software Engineer**Technologies:** Typescript, NodeJs, GraphQL, Lambda, ReactJs and AngularJs, Docker Swarm, Terraform, Ansible, Optimizely A/B test, TDD, & BDD

- Design and lead the development of new API layers in **GraphQL** and **Lambda**.
- Actively move complex legacy user workflows to flexible business manageable workflows.
- The team delivered **A/B test** UI components to understand the user behavior on change of products. Thus helping the company's vision to strategize their move on new products with real metrics.

VENDIGO FINANCE GROUP.**London, UK**

Feb 2017 – Mar 2018

Lead Software Engineer**Technologies:** NodeJs, HapiJs, MongoDB, Docker Swarm, ReactJs and AngularJs, Java, Selenium, TDD, & BDD.

- Hands on in development and extending the **microservice** architecture, and maintaining a loosely coupled platform.
- Understand and translate **business requirements** for complex workflow systems and integrations with banking systems into solution design and shaping the backlog for estimation.
- Responsible for **scaling the product team in size**. Most importantly ensuring an Agile culture, a DevOps culture, a culture of quality, the culture of innovation, and culture of continuous improvement.

PEARLSHARE LTD.**London, UK**

Jan 2016 – Feb 2017

Lead Software Engineer**Technologies:** Scaling Infrastructure, Docker, Docker Swarm, NodeJs, Koajs, REST, Postgres, ReactJs, PhoneGap, Web application security, es7.

- Built single line auto suggest **NLP** search engine. Try: <http://bit.ly/restaurants-in-new-york> (Pearlshare got acquired)
- Re-architected monolith to **microservices** to scale. Used **ZeroMQ** to build communication between processes.
- With careful data modeling, changing flows, and application response time reduced from **1800 ms to 200 ms (lower is better)**.
- Pitched an idea to build Pokemon guides. Organized a hack day and built an app on our platform. Went viral and generated more revenue. <http://bit.ly/mirror-co-uk> , <http://bit.ly/pokeshare1>

OPENBET LTD.**London, UK**

Sep 2011 – Jan 2016

Senior Software Engineer & Scrum Master**Technologies:** NodeJs, AngularJs, PhoneGap, BDD, REST, Web application security, Ruby, RoR, Informix, Java.

- Responsible to **scale** an important client's sports betting platform to handle the 10x load for Grand National in 4 months.
- Lead the development of a revolutionary **Javascript SDK** and saved

30% in mobile app development costs and time.

- Started **Javascript guild** and organized informal catch-ups between teams across the company to share experiences.
- Company web and **application security** team reviewer and committer.

PEEKABU STUDIOS LTD.

Edinburgh, UK
2011

Software Developer Internship, Innovation, and Research

- We built a platform for motion control solutions from scratch.
- To attract funding/traction we developed few augmented reality games on our prototypes using computer vision technologies similar to **OpenCV**.
- Intensive research of various journals required to boost the performance. Demo: <http://bit.ly/machine-learning-marker>

MICROSOFT INNOVATION CENTER.

Hyderabad, INDIA
2009 – 2010

Software Developer Internship, Innovation, and Research

- **Mobile Video Surveillance**, built a product to provide the summary based on motion detection, face detection, and sound amplitude thresholding. Product plugs into any surveillance system and sends a detailed summary to the user mobile phones. Demo: <http://bit.ly/mobile-video-surveillance>
- **An autonomous vehicle**, added computer vision to aid visual guidance to SRV robot. We visioned to build autonomous vehicles.

Education



UNIVERSITY OF EDINBURGH

Master of Science (MSc) – Computer Systems and Software Engineering
Edinburgh, UK
2010 – 2011

- **Obfuscated Biology**, a BIOTECH project using the technique of obfuscation to secure the intellectual ownership of synthesized models of an entity.
- **Making Hadoop Highly Available** a research review journal, giving possible solutions to recover from the SPOF (Single Point of Failure) of HDFS with MapReduce architecture. Covers overcoming of map task re-execution drawbacks.

Engineering Tracks

AT THE MOMENT I'M PRIMARILY A FULL-STACK NODEJS LEAD. PROFICIENT IN LEADING AGILE TEAMS AND SCALING INFRASTRUCTURE THROUGH MICROSERVICES AND SERVERLESS ARCHITECTURE.

Programming
Databases
Front-end
Other tools & tech

NodeJs(ExpressJs, KoaJs, GraphQL), Solidity, Ruby, RoR, Java, Tcl, C#, ASP.NET
MongoDB, PostgreSQL, Informix, MySQL, Elastic Search, Oracle, DB2
ReactJs, RequireJs, Javascript functional @ OO, AngularJs, Ionic, PhoneGap, Progressing
Docker, Optimizely A/B test, Design microservice architecture and networking, Terraform, Ansible, Chef, Puppet, Queues [Rabbit, ZMQ], BDD, REST.
