Vinoth Shanmugam

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Experience

Feb'14 - Now — **Software Engineer, SmartOutage App**, *Capgemini - GE Power*, Atlanta, Georgia.
Hybrid mobile first app to aid in field service operations for onsite and offshore engineers. It's built on Predix 14.3 Industrial Internet platform.
- Designed and developer customer report generation module. (75% reduction in cycle time comparing to existing system in place)
- Designed and developed inventory management module with ble device integrations. (60% cycle time comparing to existing system in place)
- Part of team that migrated the app from jqm to angular stack (Predix ready stack)
- Requirement gathering and converting them into software design
- Maintainer for most of the modules in the app

Fall 2013 — **Software Engineer, My Fleet**, *iGATE - GE Power*, Atlanta, Georgia.
GE Industrial Internet customer portal to collect and view key performance indicators (KPI's) like plant information, assets metrics, trend, benchmark, etc that provide various insights. It's built on Spring MVC and later migrated to predix 14.3 tech stack.
- Requirement gathering and converting them into software design
- Providing solution and transforming math formulas into scripts for deriving the KPI's
- Active member of development team

Summer 2013 — **Software Engineer, M&D Catalog**, *iGATE - GE Power*, India.
To automate M&D (Manufacturing and diagnosis) cost calculation and generate yearly audit reports. It's built on Spring MCV, PLSQL and Extjs client.
- Designed and developed the application
- Was leading a team of 2 junior developers

Oct'13 - Apr'14 — **Software Engineer/ Junior Dev, Digital Catalog**, *iGATE - GE Oil&Gas*, India.
An inventory management client for GE Oil&Gas. App generates inventory reports from the web client. Email based catalogue enquiry for app less support.
- Designed and developed the email based catalog search and report generation module
- Was active part of 2 member team that developed the web app

Jan'10 - Sep'12 — **Software Engineer/ Junior Dev, TNT Customer item**, *iGATE - TNT*, India.
Customer item app is to capture the TNT's worldwide customer details to a centralized item which is base for all other apps. Built on Struts 2 with spring binding, IBM portlets for client.
- Writing tons of test cases
- Later start working one requirements and defects
- Refactored and rewrote few key search modules for performance tuning

Software skills

Client

Language	JavaScript ES6, Objective C
Frameworks	AngularJs, NodeJs, RequireJs, Play, jQuery
Styling	HTML 5, CSS3, SASS, LESS
Testing	Jasmine, Protractor, Karma
Build & Scaffold	Grunt, Yeoman

Server

Language	Java 8
Spring	Core, Boot, Cloud, MVC, JPA, Test
Other frameworks	Hibernate, Struts
Testing	JUnit, Mock Frameworks
Build & Scaffold	Maven, Spring Roo
Database	MySQL, PostgreSQL, Oracle, MongoDB

Others

Server	Tomcat, Karaf, JBoss, Nginx, Apache
VM Tool	Docker
Cloud	Cloud Foundry - Pivotal, Amazon Web Services, Predix, Cloudbees
CI	Jenkins
IDE	STS, Eclipse, WebStorm, Atom, XCode
Agile Dev	Rally, Atlassian JIRA

Education

2006–2010	**Bachelor of Engineering in Information Technology**, *Anna University*, Chennai, India.

Languages

English	**Full professional proficiency**

Extras

Conducting several company internal technical knowledge sharing sessions

Member of company internal Technology Consulting Hub

Member of company internal account level estimation team that work on RFP's

Member of developer workforce recruitment team

Received company internal awards like best performer of month, quarter

Open Source Enthusiast