

KUMAR SUNDARAM

Architect / Frontend Web Developer

MOBILE: 9962526773

Chennai, India

sundaramkumar@live.com

OVERVIEW

As a Software Architect at VMware, I leverage my 20+ years of experience in web application development, internet security management, and UI engineering to design and deliver innovative solutions for cloud computing, network function virtualization, and in-flight entertainment. I have a strong background in product engineering, project management, and team coordination, and I am always eager to take on new challenges and learn new technologies.

In my previous roles, I have developed web-based test automation products and IFE products for avionics industry, worked with clients from various countries and domains, and contributed to multiple publications on web programming and JavaScript. I have also obtained certifications from Microsoft: **MCSA**- Web Applications and EC-Council Foundation: **CEH, ECSA, and CFI**, which demonstrate my expertise and passion for ethical hacking, security analysis, and forensic investigation. My goal is to use my skills and knowledge to create secure, scalable, and user-friendly web applications that enhance the performance and productivity of VMware and its customers.

CAREER SUMMARY

- 20+ Yrs. of Engineering experience in **Product Development, Web Applications**
- Currently working with **VMware**.
- Design and Development Experience in **Avionics** IFE solutions for Airbus, Boeing.
- Experience in Team Mgmt., Project Mgmt., Product Development / Mgmt.
- Handled accounts/projects worth up to **\$ 2 Million**.
- Saved **\$ 500K** in project cost and time by suggesting communications.
- Experience in pre-sales, product demos to the clients
- Experience in **IP development, e-Commerce portals**, Web Portal, e-Commerce sites.
- Defining the product strategy and roadmap of the Automation Solutions for N/W Testing.
- Expertise in **UI Engineering for products**, Blackberry/Android Apps, ISM Devices.
- Experience in Blackberry, Android Applications, **Browser Add-ons/Plug-ins**, PHP Extensions
- Worked with clients from US, UK, Albania, Thailand, Denmark, Belgium, etc.
- **Hands on** in coding, Development.
- Have **onsite experience**.

PROFESSIONAL EXPERIENCE

Apr 21 – Till Date	Software Architect	VMware India	Chennai
July 18 – Mar 21	Principal Engineer	Mesh7 Pvt Ltd	Chennai
Aug 15 – June 18	Senior Tech Lead	Pensa Networks	Chennai
Apr 08 – July 15	Delivery Manager	eInfochips Ltd, (Arrow Electronics)	Chennai
JAN 05 – Apr 08	Team Leader	Global Security One (GSEC1)	Chennai
Apr 03 – JAN 05	Software Engineer	EmicoSoft Pvt Ltd.	Chennai
Jun 00 – Mar 03	Sr. Programmer	Intelx Technolab Pvt Ltd. (Mioot Technologies)	Chennai
Aug 97 – May 00	Freelancing	Thamira Software Solutions	Tirunelveli



SKILLS

Internet Tech

Angular, PHP, JQUERY, EXTJS, Node JS, Adobe AIR, Shell scripting, SQL, VBScript

Mobile

Android, iOS, Blackberry Apps

Open Systems

Browser Add-ons / Plug-ins, PHP Extensions, CircleCI, Grunt, Gulp, Karma, Jasmine

Web Servers

Apache, Nginx, IIS

Microsoft Tech

VB, ASP, C#, VBScript, COM / DCOM, ActiveX

Databases

MYSQL, SQLITE, Postgres, MS-SQL Server

Operating Systems

*NIX, OSX, Windows 10 & predecessors, MS-DOS & Clones

EDUCATION

M.C.A. Manonmaniam Sundaranar University, Tirunelveli	1997
B.Sc., Mathematics, St. Xavier's College, Tirunelveli	1993

CERTIFICATIONS

- **MCS D** - Microsoft Certified Solution Developer (Transcript ID **1163663**)
- **PRINCE2** Registered Practitioner
- **AND** - Android Certified Application Developer (Android ATC ID: **ATC1002891**)
- **CEH** - EC-Council Certified Ethical Hacker V8
- **ECSA** - EC-Council Certified Security Analyst V8
- **CHFI** – EC-Council Computer Hacking Forensic Investigator V8
- **CSM** - Certified Scrum Master

ACHIEVEMENTS

- Developed PHP Extension for Source Obfuscation
- Firefox Add-on for checking Indian Market prices for desired Stocks - IndiaMarket (<http://indiamarket.mozdev.org/>)
- **Best Employee Award** from GSEC1 for the 3rd quarter of 2006
- Innovated new script for Network Test Automation – resulted in early automation, Automate on the Go.
- Developed an interactive Topology drawing tool using JavaScript and PHP.
- Won Cash rewards from the customer for 2 times for completing project before timelines.

PERSONAL PROFILE

- **Date of Birth** 27th July 1973
- **Email** sundaramkumar@live.com
- **My CV Online** <http://www.kumarsundaram.com/>
- **LinkedIn Profile** <http://in.linkedin.com/in/sundaramkumar>
- **VISA Details** Having B1 – Business Visa for 10 Years Valid up to 2022

CERTIFICATIONS



Recommendations



<http://in.linkedin.com/in/sundaramkumar>

Scan to Reach me



PROJECTS

ARIA

VMWARE

Angular

Duration: 0.5 Year

SYNOPSIS

VMware Aria Hub is a unified management solution for VMware cloud and multi-cloud environments. VMware Aria is powered by VMware Aria Graph, a new graph-based data store technology that reduces multi-cloud complexity across any cloud, any app, and for every persona.

ROLE & RESPONSIBILITIES

- Worked in the Spaces Feature.
- Involved in the design process of Spaces UI and been a part of the actual implementation team.
- Developed Unit Testcases for Spaces, Traits.
- Worked with Team across Geo Locations

TANZU SERVICE MESH (TSM)

VMWARE

Angular

Duration: 2 Years

SYNOPSIS

Tanzu Service Mesh provides advanced, end-to-end connectivity, security, and insights for modern applications—across application end-users, microservices, APIs, and data—enabling compliance with Service Level Objectives (SLOs) and data protection and privacy regulations.

ROLE & RESPONSIBILITIES

- Responsible for integrating the Mesh7 features into the TSM.
- Been part of the actual implementation team.
- Developed Unit Testcases for the features.
- Worked with Team across Geo Locations

MAESTRO - NFV

PENSA NETWORKS

HTML5, CSS3, JavaScript, Angular JS, Angular 5, Python, Ubuntu

Duration: 3 Years

SYNOPSIS

Pensa Maestro NFV is used to onboard a VNF, Network Design and validate. After validation of the networks designed, the service template is generated in YAML, which can be further uploaded to Orchestrators like OSM, ONAP, Opensource Mano. The NFVs generated using Maestro NFV are aligned to ETSI standards. Maestro NFV treats all elements of a complex service design as code – network functions, hardware models, applications – everything. But Maestro abstracts the coding complexity and acts as a higher-level design system. It automates, simplifies complex processes so people can get work done faster and provides automatic validation to avoid human error.

ROLE & RESPONSIBILITIES

- Responsible for the entire UI for the Maestro, Maestro NFV.
- Involved in the design process and been a part of the actual implementation team.
- Responsible for collecting and understanding the requirements and the product design. Preparing Mockups and design of new features for approval.
- Developed some of the REST APIs in Python to be used with the UI.
- Worked with clients like Nokia, VMWARE, DELL

IN FLIGHT ENTERTAINMENT

COLLINS AEROSPACE, US

HTML5, AJAX, NODE JS, C/C++, QNX, Google Closure, QDB, JNEXT

Duration: 2 Years**SYNOPSIS**

Entertainment Control Panel for the IFE (In-Flight Entertainment) used by the Flight Attendants and Aircraft Maintenance Engineers in the commercial Flights for **Boeing, Airbus**. The application is designed as a “Web 2.0 single page application”, where there are no browser-level page transitions. The JavaScript application controls the entire browser window and swaps the appropriate components in and out to give the appearance of navigating through the UI. The application communicates with the native components using PPS objects and JNEXT abstractions.

ROLE & RESPONSIBILITIES	<ul style="list-style-type: none"> • Been part of the Entertainment Control Panel Team. • Responsible for collecting requirements and the product design for the Entertainment Control Panel, for Flight Attendants and Maintenance Engineers. • Responsible on time Delivery and Customer’s Satisfaction. • Suggested the communication method between the Control Panel and the Media Server in the Flight, which resulted in cost savings to the customer approx. \$500K. • Responsible for Presales, customer demos • Preparing Whitepapers • Won the customer’s confidence by on time deliveries, which resulted in getting new projects. • Responsible for Team Management and managed the Team of engineers. • Coordinating with onsite, offshore team. • Invented a new way to Capture and replay Web based user interactions in QNX/Blackberry Platform using IPC (Inter Process Communications) and JavaScript.
------------------------------------	---

EZTEST / ANDROID QUALITY ASSURANCE

EINFOCHIPS/ARROW ELECTRONICS

PHP, MYSQL, EXT-JS, AJAX, (D) HTML, Python, AIR, TCL, Selenium, Android, Adobe AIR

Duration: 5 Years**SYNOPSIS**

EzTest is a comprehensive Test Automation and Management tool, which enables increased automation early in the testing cycle. EzTest can add significant value to the testing lifecycle of OEMs, ODM’s. Chip manufacturers in this domain.

ROLE & RESPONSIBILITIES	<ul style="list-style-type: none"> • Responsible for the Product’s Design and Development since inception. • Invented a new script to Capture and Replay for Network Test Automation • Invented a new way to Capture and Replay for Android Test Automation • Developed PHP extension for code obfuscation. • Developed an interactive Topology drawing tool from scratch using JavaScript and PHP to draw vector graphics and enabled to save into JPEG, PNG Images. • Developed a New API to interact with Bugzilla. • Created a scheduling algorithm to execute testcases in multiple testbeds in parallel for Regression testing. This resulted in completing the test cycles earlier. • Integrated with Selenium to automate the testing cycles for new releases. • Customized Ubuntu Linux to create Demo/Evaluation copies of EzTest which can be run as Live CD. • Responsible for identifying features and creating Product Roadmaps • Responsible for Presales, Customer demos, Preparing Whitepapers, User Manual, etc.
------------------------------------	---

SUMMARY OF OTHER PROJECTS

- Involved in developing Web based products, Applications.
- Developed a custom protocol handler for SSH for windows for Chrome browser.
- Developed iOS, Android Mobile Applications for the In-Flight Entertainment (IFE)
- Developed Apps for the QNX Realtime OS
- E-Commerce web sites development.
- Portal development
- User Interface development experience for ISM (Internet Security Management) Devices
- User Interface design experience for Anti-Virus software
- Developing the middle layer for the ISM devices
- COM/DCOM development to control an entire ASP driven Site with Payment gateway.
- Experience in Payment Gateways like PayPal, Authorize.net, VeriSign Pay Flow Pro, etc.
- Experience in developing Firefox, Google Chrome Add-ons
- Developed an Extension for PHP for source code encryption.
- Designed and Developed a Back-office management system using PHP/C/MySQL with Apache on Linux.
- Developed a COM/DCOM DLL to manage entire MLM Health care companies' website. It acts as a dB Layer and Creating Websites in IIS on the FLY. You can also enable or disable a website on the FLY from the admin.
- Developed a Graphics Editor in C. Which I developed to create handwritten Tamil Language characters.
- Developed a debugging Tool for ILE-RPG/400, which is capable for checking conditional statements, Loop structures & also beautifies the code.
- Created a standard routines library for use with VB.
- Developed a debugging Tool for FoxPro, which can check conditional statements, Loop structures & also beautifies the code.
- Developed some freeware tools like, CopyFast, D'Code Fox, Equalizer control OCX, H-Link OCX, Tray Manager, and WinTools.
- Implemented RC4 Algorithm in PHP, C, Java and as a DLL in VB.
- A Dis-assembler tool for FoxPro, FoxBASE+ Tool, which will decrypt the compiled FoxPro/FoxBASE+ executables.
- Published 'JSSPIN Button Control' project in sourceforge.net.
- Developed Masked Edit Control in DHTML especially for IP Address Editing.