



KARMEGAM PANDI

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TECHNICAL ARCHITECT / FULL STACK LEAD

Technical Architect / Full Stack Architect / Lead specialized in digital transformation, Cloud native solutions, API development, and Mobile app solutions, I offer a comprehensive skill set, extensive industry knowledge, and a proven ability to drive successful technological initiatives.

With **18+ years** of experience, I have demonstrated expertise in architecture, design, development, and delivery. I possess a strong command of various tech stacks and development models, including Cloud First, Mobile First, and API First designs.

WORK PERMIT

I'm a **GREEN CARD** Holder. No sponsorship is needed.

SKILLS

- **Front-end Architecture** - JavaScript, Typescript, ReactJS, Angular (All versions), and Bootstrap.
- **Mobile App Development** - ReactNative, Ionic, Apache Cordova, iOS, and Android.
- **API and Service Development** - NestJS, NodeJS, Spring, Java
- **DevOps** - Azure DevOps, Kubernetes, GitHub Actions, Jenkins, Git, XLR, Dockers, SonarQube, ELK, and Terraform
- **Databases** - PostgreSQL, Oracle, Firebase, MongoDB, SQL
- **Security** - Azure Active Directory, Transmit, Trusteer
- **Project Methodologies** - Agile
- **Cloud** - Azure, AWS
- **Other Programming Languages** - Python, C++
- **Misc. Products** - Plaid, Vouched, jBPM, Akamai.

SPECIALIZED IN

- **Micro App and Micro Frontend Architecture**
- **Micro Service Architecture**
- **Angular**
- **Containerization**

WORK HISTORY

Professional Bank / Seacoast Bank - Senior Technical Architect
Cleveland, OH • 10/2020- Current

Tech Stack: Azure, ReactJS, ReactNative, TypeScript, Bootstrap, SCSS, NodeJS, NestJS, Azure AD, B2C, Kubernetes, PostgreSQL, Redis, DataLake, Azure Functions, Logic Apps, Cognitive Search Engine, Azure DevOps, ELK, Terraform, JIRA, and JBPM.

- Designed and developed a cutting-edge Online Account Opening System and Intranet Portal Application using industry-leading frameworks and tools.
- Designed and developed Employee Mobile App using React Native.
- Developed a data warehouse solution utilizing Azure Cloud tools to cater to the data and reporting requirements of Professional Bank.
- Created a module for securing the Intranet Portal and Mobile App against both internal and external traffic using Azure Active Directory and B2C, with the ability to support multiple tenants.
- Responsible for DevOps, CI/CD, and establishing fully automated Azure Cloud infrastructure.
- Designed and Developed Design System UI Kit using ReactJS and Bootstrap.
- Designed and Developed Business Process Management Tool with Workflow Visualization, Form Builder, and Automated Task Handlers.
- Assisted with SOC2 compliance requirements and contributed to resolving MRAs.

KeyBank - Full Stack Lead Engineer
Cleveland, OH • 09/2019- 10/2020

Tech Stack: Angular, AngularJS, Ionic, TypeScript, Bootstrap, SpringBoot, Java, Oracle, Transmit, Bitbucket, Docker, JIRA, and Jenkins

- App and Web Security
- Complex Web Solutions
- Caching Strategy
- Performance Tuning
- Cost Effective Solutions
- Automation
- Analytics

- Led a team of front-end engineers in developing a cutting-edge Online Banking Web and Mobile Application.
- Designed, developed, and implemented a security framework leveraging Transmit for Online Banking platform.
- Developed a resilient and scalable Micro Frontend architecture to facilitate the development process of diverse Agile teams.

Photon Infotech - Technical Architect / Full Stack Lead Engineer

Cleveland, OH • 02/2015 - 09/2019

Tech Stack: Angular, AngularJS, Ionic, TypeScript, Bootstrap, SpringBoot, Java, Oracle, MySQL, Git, and Cordova.

- Developed and implemented secured, high volume Customer facing Web application and Cross platform Mobile Application.
- Transformed a decade old web application architecture into a modern architecture that adheres to the latest industry standards.
- Provided recommendations for architecture enhancements, design solutions, and integration solutions.
- Lead and Delivered Robust Technical Solutions using Micro Frontend and Micro App architecture.

Photon Interactive - Associate Architect / Technical Lead

Chennai, Tamilnadu - India • 10/2012 - 01/2015

- Held technical ownership of design, development, and delivery processes while leading and mentoring a team of over 10 engineers across multiple projects.
- Accountable for upgrading and enhancing frameworks and platforms.
- Architected various Frontend and Backend applications using JavaScript, Java and Spring framework.

Scope International - Project Lead / Senior Software Engineer

Chennai, Tamilnadu - India • 06/2006 - 05/2012

- Technical ownership of Design, Development, and Delivery. Led and mentored Junior Engineers in various projects.
- Worked extensively in Java, JSP, and Servlet based applications.

CSS Corp. - System Analyst

Chennai, Tamilnadu - India • 04/2005 - 05/2006

- Started as a System Analyst and focused extensively on Java and JavaScript languages.

PROFILES

<https://www.linkedin.com/in/karmegam-pandi-9256a071/>

EDUCATION

Alagappa University

Karaikkudi, Tamilnadu - India • 2003

Master of Science: Information Technology

Kamaraj University

Madurai, Tamilnadu - India • 2001

Bachelor of Science: Computer Science

OTHER INTERESTS

- Artificial Intelligence
- Data Pipeline
- Build Automation
- Plugin Development
- Analytics
- Search Engine Development
- Serverless Architecture

PROJECT ACCOMPLISHMENTS

As Technical Architect / Full Stack Lead Engineer (8 years)

- *Professional Bank Online Account Opening, Employee Mobile App, Intranet, and Datawarehouse Solutions.*
- *KeyBank Online Banking and Mobile Banking*
- *KeyBank Financial Wellness Tools*
- *Walgreens.com Re-engineering*

As Associate Architect / Technical Lead (4 years)

- *Photon - Process Engineering System (SIRIUS)*
- *Photon - Timesheet Tracker System*
- *Photon - Leave Management System*
- *Photon - PhoTax - Tax Management System*
- *State Street Bank - SOA Portal Development*

As Project Lead / Senior Software Engineer / System Analyst (7 years)

- *Standard Chartered Bank - Sales Channel System*
- *Standard Chartered Bank - Loyalty Management System*
- *Standard Chartered Bank - Investment Suitability System*
- *Standard Chartered Bank - Common Authenticator Management Tool*
- *Standard Chartered Bank - Statement Generation Engine*