

## KANNAN S

Lead Software Engineer | Bengaluru, India

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[Website](#) | [GitHub](#) | [LinkedIn](#)

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## SUMMARY OF QUALIFICATIONS

Seasoned Lead Software Engineer with 13+ years of experience in managing high-quality software development projects. Strong leadership, effective communication, and expertise in modern programming languages. Proven ability to drive innovation and efficiency while meeting tight schedules and budgets, delivering robust solutions that enhance business productivity. Skilled in **Ruby on Rails, Scala, Play, Django**, and proficient in **Ruby, Scala, Python, Go, and JavaScript**. **Generative AI** specialist, currently pursuing a **Master's in AI/ML** from **BITS Pilani**.

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## SKILLS

- **Languages & Frameworks:** Ruby, Scala, Python, Go, JavaScript, Ruby on Rails, Scala/Play, Django
  - **AI/ML:** Generative AI, Computer Vision, pursuing M.Tech in AI/ML (BITS Pilani)
  - **Front-End Technologies:** HTML5, CSS3, JavaScript, ReactJS, Tailwind CSS, Bootstrap 3+, Material UI, and Semantic UI
  - **Mobile Development:** React Native (cross-platform)
  - **Testing and Automation:** RSpec, Capybara, WebDriverIO (WDO) for automation testing
  - **Background Processing:** RabbitMQ, Redis, Kafka
  - **Cloud & DevOps:** Docker, Kubernetes, Jenkins, AWS, Azure, GCP, Digital Ocean, and Linode, CI/CD.
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## PROFESSIONAL EXPERIENCE

### PowerSchool India Pvt Limited

Lead Engineer | Jul 2023 – Present

- Leading a **Ruby on Rails** and **React JS** team, managing deployments, and collaborating with US and Canada teams.

### Infosys Limited

Senior Technologist | Jan 2020 – July 2023

- Led a 50+ member team, specializing in **Ruby on Rails, Scala Play**, and Big Data technologies.

### **Global Achievers (Payroll)**

Senior Ruby on Rails Consultant (Contract with Infosys) | Mar 2019 – Dec 2019

- Provided **Ruby on Rails** consultancy across multiple projects, enhancing client products.

### **Ephicacy Lifescience Analytics Pvt Ltd, Bangalore**

Senior Ruby on Rails Programmer | Aug 2015 – Feb 2019

- Developed pharmaceutical research software, focusing on **architecture** and **deployment**.

### **Carmatec IT Solutions Pvt Ltd, Bangalore**

Senior Software Engineer | May 2014 – Aug 2015

- Full-stack **Ruby on Rails** development, focusing on **design and debugging** using RSpec.

### **Changepond Technologies Pvt Ltd, Chennai**

Software Engineer | May 2013 – May 2014

- Designed scalable software and implemented front-end and back-end Ruby on Rails solutions.

### **Panda Communications (formerly Shriram IT Solutions Pvt Ltd)**

Ruby on Rails Web Developer | Apr 2012 – May 2013

- Advanced **Ruby on Rails** development with an emphasis on optimization and RSpec testing.

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## **PROJECT EXPERIENCE**

### **PowerSchool**

*Lead Engineer*

- Led the upgrade and scaling of PowerSchool, a cloud-based K-12 education platform, using **Kubernetes** for zero-downtime scalability.
- Oversaw end-to-end server configuration, deployment, and release processes.

### **Maker Inc**

*Backend Engineer*

- Modernized Maker Inc's marketing platform with upgraded threading and CI/CD configuration.
- Delivered new features and optimized platform for seamless content creation.

## **Apple Inc.**

*Tech Lead*

- Collaborated as a **Senior Ruby on Rails** and **Scala Programmer** on large-scale Apple projects.
- Managed full-stack development, from design to deployment, with integration of **Big Data** and **Web 3.0**.

## **Sycamore Informatics**

*Senior Full Stack Ruby on Rails Programmer*

- Developed SaaS architecture for clinical trial automation, emphasizing scalability and cloud integration.
- Implemented **AMQP**, **RabbitMQ**, and **AWS** for data processing in clinical research.

## **Inkwell Cards**

*Senior Software Engineer*

- Created a Spree-based e-commerce platform focused on gift cards, employing **Bootstrap** for responsive design and **PostgreSQL**.

## **Jambogrill.ca**

*Full-Stack Ruby on Rails Developer*

- Designed and developed a complete food management platform for a Vancouver-based restaurant.
- Managed both frontend and backend architecture on **Linode Cloud** with **PayPal Express** integration.

## **AK Beauty**

*Full-Stack Ruby on Rails Developer*

- Built a UK and US online learning platform for makeup and design, hosted on **Google Cloud** with integrated **PayPal** support.

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## **EDUCATION**

- **B.E** – Anna University, Trichy | 71%
  - **HSC** – Vallal Pari Higher Secondary School, Piranmalai, Sivagangai | 73%
  - **SSLC** – Vallal Pari Higher Secondary School, Piranmalai, Sivagangai | 80%
  - Pursuing Master's in AI/ML (Interest) – BITS Pilani
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## ACHIEVEMENTS & CERTIFICATIONS

- **Microsoft Certified: Azure Fundamentals**
  - **"Impressive Tech Lead" Award** – Carmatec IT Solutions
  - Certified **"Awesome Initiator"** – Shriram IT Solutions
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## HOBBIES AND INTERESTS

- Committed to advancing knowledge in AI and Machine Learning.
- Pursuing a Master's in AI/ML at BITS Pilani to innovate and contribute meaningfully in the tech space.
- Passionate about personal product development using the latest technologies to create impactful solutions.
- Currently working towards the AWS Certified Solutions Architect - Professional certification to deepen cloud architecture expertise.
- Actively mentoring aspiring professionals in the tech space to foster growth and knowledge sharing.