

# Ravi Ramakrishnan Athmanathan

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## Profile

Seasoned Principal Production Engineer with over 18 years of experience driving the reliability and performance of mission-critical applications, including nearly a decade at Yahoo architecting and managing their Ad Serving and Supply-Side AdTech Services on AWS. Expertise in automating infrastructure management for both on-prem and cloud environments. Certified Kubernetes Administrator (CKA) and Terraform Associate, skilled in building scalable, resilient, and highly available systems using infrastructure as code.

A collaborative leader known for fostering a culture of technical excellence. Seeking to leverage my expertise to lead and mentor high-performing engineering teams in dynamic, cloud-native environments.

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## Core Competencies

Site Reliability Engineering | GitOps | Containerization & Orchestration | Infrastructure as Code | AWS Cloud Services (ECS, EKS) | CI/CD Pipeline Implementation | Technical Leadership | Cross-Functional Collaboration | Incident Management & Resolution | Stakeholder Management | Operational Efficiency & Automation | Process Improvement | Root Cause Analysis | Monitoring & Alerting | SOX | PCI | TLS Certificate Management | X.509 Certificate Management | Secrets Management

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## System Expertise & Technical Tools

**Cloud & Containerization:** AWS (EC2, S3, ECS, EKS, VPC, CloudWatch), Kubernetes, Docker, OpenStack

**Infrastructure & Automation:** Terraform, AWS CloudFormation, Ansible, Automated Infrastructure Management

**Programming & Scripting:** Python, Java, Shell Scripting, JavaScript

**DevOps & Monitoring Tools:** New Relic, Splunk, Prometheus, Git, Jira, Screwdriver, GitHub Actions

**Web Technologies & Databases:** Apache, Nginx, Apache Traffic Server (ATS), NodeJS, ReactJS, CSS, TCP/IP, Load Balancing, CDN, Oracle, MySQL, MongoDB

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## Experience

May 2024 – Sep 2024  
5 months  
Mountain View, CA

### Yahoo

#### Principal Production Engineer

- Directed the design, deployment, and management of large-scale production environments for Yahoo's Ad Gateway Services on EKS Clusters, ensuring system stability and high scalability to support 2 billion transactions per day.
- Spearheaded infrastructure automation initiatives, resulting in a 50% reduction in operational overhead and enhanced team efficiency.
- Collaborated with Engineering and Product teams to implement best practices, improving system reliability by 5% and performance by 10%.
- Mentored and guided engineering teams, aligning individual efforts with overarching company objectives and fostering a culture of technical excellence.

- Apr 2019 – Apr 2024  
5 years 1 month  
Mountain View, CA

**Yahoo**  
**Senior Production Engineer**
  - Deployed and managed containerized applications on Amazon Web Services (AWS) for Yahoo's Supply-Side AdTech Services, emphasizing scalability and high availability to support millions of transactions per day.
  - Led critical migration and automation projects leveraging Kubernetes and Terraform
  - Conducted proactive capacity planning and performance tuning, ensuring 99.99% high availability and minimizing downtime to less than 5 minutes per month.
  - Expertly resolved complex system-wide issues, providing mentorship and technical guidance to junior engineers in implementing best practices in production engineering.
- Nov 2016 – Mar 2019  
2 years 5 months  
Mountain View, CA

**Yahoo**  
**Production Engineer II**
  - Managed capacity planning and performance tuning for large-scale, high-throughput systems, optimizing resource utilization and system performance.
  - Played a pivotal role in the automation of the CI/CD pipeline, reducing manual interventions by 50% and accelerating software delivery cycles.
  - Led troubleshooting and root cause analysis for critical incidents, particularly within Linux environments and cloud infrastructure, ensuring rapid resolution and minimizing service impact.
- Dec 2015 – Oct 2016  
11 months  
Mountain View, CA

**Yahoo**  
**Lead Operations Engineer**
  - Coordinated and streamlined the identification and resolution of high-priority incidents, achieving a 25% reduction in service disruptions and maintaining critical system robustness.
  - Proactively utilized monitoring tools to identify and address potential system issues, reducing the occurrence of critical incidents.
  - Collaborated effectively with cross-functional engineering and operations teams to optimize the performance and reliability of web applications and backend services.
- Nov 2014 – Nov 2015  
1 year 1 month  
Palo Alto, CA

**TIBCO Software Inc**  
**Senior Support Engineer**

Served as the primary point of contact for customers of TIBCO ActiveMatrix, expertly troubleshooting integration issues and ensuring their success.
- Sep 2010 – Nov 2014  
4 years 3 months  
Sunnyvale, CA

**Infosys Limited**  
**Technology Lead | Technology Analyst | Senior Systems Engineer**

For Apple Inc., maintained high availability and optimized performance of production applications through root cause analysis, change management, automation, and expert technical support.
- June 2007 – Sep 2010  
3 years 4 months  
Chennai, India

**Protechsoft Systems Limited**  
**Software Engineer**

Engineered responsive Single Page Applications using JavaScript, HTML, and CSS, enhancing user workflows and proactively improving UI/UX

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## Education

June 2002 – May 2007 **University of Madras**, M.Sc. in Computer Science & Technology – Chennai, India

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## Certifications

Dec 2024 [Certified Kubernetes Administrator \(CKA\)](#)

Aug 2024 [HashiCorp Certified: Terraform Associate \(003\)](#)