

# Akash K

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## Full Stack Developer

Software Engineer with 4 years of experience building scalable web applications using React.js and modern JavaScript. Proficient in writing optimized code with a strong understanding of data structures and algorithms. Skilled in cross-browser compatibility and performance optimization across web and smart TV platforms. Experienced in backend development using Node.js and Express, with solid knowledge of API design and server-side integration. Also experienced in OTT development for the Roku platform.

### WORK EXPERIENCE

**Accenture** 11/2024 – 08/2025  
**Software Engineer • Contractor** Chennai

- Worked as a contractor developing and maintaining an **e-commerce application on the Roku platform**, creating custom Roku channels using **BrightScript, BrighterScript, and XML** for seamless user experience on smart TVs.
- Published and updated multiple Roku apps on the **Roku Channel Store**, ensuring compliance with platform guidelines and optimizing performance for streaming and navigation.
- Contributed to the same e-commerce platform's **React.js web application**, building responsive frontend components and integrating APIs to deliver a consistent shopping experience across web and TV platforms.

**Tringapps, Inc** 10/2021 – 08/2025  
**Software Engineer • Full-time** India

- Developed and maintained responsive, high-performance web applications using **React.js** and modern JavaScript (ES6+), ensuring seamless user experience across browsers and devices.
- Designed and implemented **backend APIs** and services using **Node.js** and Express, enabling smooth data flow and integration with frontend applications.
- Built and optimized **OTT applications** for smart TV platforms, including **Roku**, leveraging Roku and BrightScript to deliver robust streaming experiences.
- Collaborated with cross-functional teams to ensure end-to-end delivery of features, focusing on performance optimization, accessibility, and scalability.
- Utilized real-time communication technologies (e.g., WebSockets) and implemented efficient state management to enhance user interactivity in live streaming and chat features.
- Managed complex application state using **Redux**, and integrated with backend services via **REST APIs** and **GraphQL** to ensure efficient data fetching and seamless UI updates.
- Implemented secure **authentication and authorization** workflows using technologies like JWT and OAuth, and integrated **payment gateways** to enable smooth and secure transaction processing within applications.
- Worked with **SQL (e.g., MySQL, PostgreSQL)** and **NoSQL databases (MongoDB)** for data modeling, querying, and optimizing database performance in full-stack applications.

**v5 global services Limited** 08/2021 – 10/2021  
**Cloud Network Engineer • Full-time** Chennai, Tamil Nadu, India

- Managed and maintained network infrastructure, including routers, switches, and firewalls, ensuring high availability and optimal performance for enterprise environments.
- Monitored network traffic and implemented security protocols to safeguard data integrity, troubleshoot connectivity issues, and optimize network efficiency.

## EDUCATION

### **Bachelor of Engineering – BE in Electrical, Electronics and Communications Engineering**

University College of Engineering, Arni

01/2016 – 12/2020

First Class

### **Higher secondary Education**

Lakshmi Garden Matric Higher Sec School • GPA: 93.1%

06/2014 – 04/2016

### **Secondary School Education**

Seventh Day Adventist Higher Secondary School • GPA: 95.4%

04/2013 – 05/2014

## SKILLS

AWS, BrightScript, DSA, Express.js, Github, MongoDB, Node.js, Quick Learner, React.js, Redis, Redux, SQL, System Design