

AKHASH KAILAIANHIRI

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📁 [portfolio](#)

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Skills

Languages: JavaScript (ES6+), TypeScript, Java

Frameworks: ReactJs, NodeJs, Spring Boot **Database:** MySQL, MongoDB **Version Control:** GitHub

Technologies: AWS (S3, API Gateway, Lambda, DynamoDB, CloudFront), Jenkins

Experience

Accenture Solutions Pvt Ltd, Coimbatore

Aug 2021 – Present

Custom Software Engineering Analyst

Project : Travelers - Business Insurance Application

- Developed dynamic, responsive web application using React.js, ensuring a seamless user experience across platforms.
- Improved application performance by **30%** through code splitting, Lazy loading and optimization strategies.
- Implemented caching strategies, resulting in a **100ms** reduction in overall **response time** which prevents redundant downstream API requests.
- Developed and maintained **REST APIs** using NodeJs and Spring Boot, providing secure endpoints for the UI.
- Integrated **MongoDB Atlas Search** in Spring Boot to build a **PDF search functionality**, providing efficient document retrieval with advanced search capabilities in the User Interface.
- Led the **Deployment** of React application to **AWS S3** with **CloudFront** and Spring Boot applications to production using GitOps principles, ensuring seamless, automated, and controlled release processes.
- Utilized **OCP** and **CloudWatch** tools to monitor the Production Logs for proactive issue identification and resolution.
- Worked with **Product Owners** and **Tech Leads** to update the brand new UI design and application architecture.
- Delivered projects in 3 week iterations using **Scrum**, enabling continuous improvement and **90%** faster adaptation to changing requirements.
- Conducted unit and integration testing using **Jest**, **React Testing Library**, and **JUnit**, improving code quality and minimizing bugs in production.
- Actively engaged in **50+ code reviews**, elevating quality by identifying and rectifying issues. Provided mentorship to junior developers, fostering their growth and knowledge in line with best practices.
- Engaged in **Daily Scrum calls** and **Retrospective calls** to facilitate communication & collaboration, identify potential roadblocks and understand the team's progress.
- Involved in **Weekly Refinement calls** with the team and Product Owners to refine the development stories, and discuss the development plans, priority and sizing.

Projects

WIZChat | *React, Nodejs, Socket.io, AWS*

- Created a modern real-time chat application using React and NodeJS, and Socket.IO for instant messaging.
- Users can sign in/sign up, create personalized profiles, and engage in real-time conversations using user authentication.
- Incorporate React Router for navigation and integrate Socket.IO to enable seamless communication.
- Deployed the application on AWS S3 for static content hosting, leveraged AWS API Gateway for API management, AWS Lambda for serverless backend functions, AWS CloudFront for content distribution, and store chat history in cloud with help of DynamoDB database for a reliable and scalable backend solution.

Mindspire - Blog app | *React, Redux, Nodejs, Semantic-UI, AWS*

- Developed a full stack react blogging server less application which allows users to create and publish rich blog content.
- Implemented secure user authentication to allow authors to manage and personalize their blog posts.
- Designed a scalable and serverless architecture using AWS services, allowing the app to handle workloads efficiently.

PostVerse | *React, Nodejs, AWS*

- Designed a ReactJS-based server less app which empowers users to create, edit, delete, and update posts like Twitter.
- Leveraging and Integrating AWS services like Lambda, S3, API Gateway, DynamoDB, and CloudFront, which employs a server-less architecture and it ensures efficient functionality and global content distribution.

Education

Tamilnadu College of Engineering

Aug 2017 – May 2021

Bachelor of Engineering in computer science

Coimbatore, Tamil Nadu

Awards and Certifications

- AWS Certified Cloud Practitioner
- Received **Commitment of Excellence award** for displaying outstanding performance and problem-solving.
- Secured First Rank in the Anna University Examinations held during the academic year 2017-2018.
- Got First place for Project from Department of CSE, IIC, MHRD in the Academic Year 2019-2020.