Jithin Zachariah

Senior Software Engineer - Backend/Infrastructure

Experienced engineer with expertise in designing and optimizing distributed systems. Skilled in building scalable infrastructure, deploying cloudnative applications, and managing high-availability services across public cloud platforms. Proficient in using domain-driven design and infrastructure as code to enhance system reliability and developer experience.

jithin.zachariah@icloud.com



+49-15259467540



Berlin, Germany



in linkedin.com/in/jithinzachariah

WORK EXPERIENCE

Senior Software Engineer

Forto Logistics SE & Co. KG

01/2022 - Present

Berlin, Germany

Achievements/Tasks

- Experienced platform engineer in the IAM team; redesigned the authentication and authorization landscape using platforms like Autho and Open Policy Agent (OPA) to enhance security, scalability, and policy control.
- Developed custom extensions at the API gateway to enforce AuthN/AuthZ for all incoming traffic, backed by fine-grained observability and automated alerting; maintained > 99.99% uptime and consistently met a 10ms latency SLO.
- Centralized fragmented authentication and authorization flows—eliminating impersonation and duplicate identities—into a unified global identity platform using Autho, improving security posture and meeting compliance requirements.
- Executed a seamless migration of all internal/external users, applications and machines into the new platform with zero downtime and no business impact.
- Developed and maintained internal SDKs and libraries to drive adoption of authentication and authorization services, significantly improving developer experience and integration efficiency.
- As an experienced product engineer, I enhanced the routing algorithm in the quotation/booking engine, reducing average search latency by 50%, which led to an improved user experience and increased revenue.
- Started as an entry-level on-call engineer and grew into a core incident responder; led triage during significant outages, conducted postmortems, and introduced processes that improved MTTD and MTTR.
- Detected and responded to multiple security incidents, including proposing, convincing C-level executives, and successfully implementing a global password reset within 2 hours to contain a threat—executed without any user disruption.
- Led interviews for ICs and managerial candidates, assessing technical skills and cultural fit to support team growth.

Software Engineer

Ernest and Young

03/2020 - 12/2021

Trivandrum, India

- Achievements/Tasks
- Contributed to crafting EY's public SaaS tool, Blockchain Analyzer: Reconciler, available at blockchain.ey.com
- Created and upheld backend APIs and infrastructure for the Reconciler, aiding clients in auditing and reconciling millions of transactions across various cryptocurrencies like BTC and ETH.
- Proficient in Ethereum and Solidity, specializing in asset tokenization using ERC20 and NFTs based on ERC721 standards. Established and supervised fully synchronized crypto nodes on Kubernetes for leading cryptocurrencies.
- Crafted system architecture for a use case encompassing web and native apps, leveraging ElectronJS for Windows and Unix platforms.

Software Engineer

Tata Consultancy Services

02/2019 - 02/2020

Trivandrum, India

Achievements/Tasks

- Developed and maintained backend applications (REST/GraphQL) using NodeJS.
- Developed applications on public blockchains like Ethereum, using Solidity.

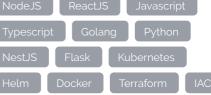
Associate Software Engineer

UST Global

07/2018 - 01/2019 Achievements/Tasks Trivandrum, India

- Developed and maintained backend applications using .NET and NodeJS.

TECHNICAL SKILLS



PERSONAL PROJECTS

Gherkin Parse

- Gherkin Parse is an NPM library for manipulating cucumber feature files (BDD) containing test cases programmatically.
- The library has more than 12K weekly downloads.

Simple Keygen

 Simple Keygen is a lightweight NPM package that can be used to generate and issue license key files.

GCP Hackathon Runnerup

Runner-up for the Google Cloud Hackathon conducted across engineers in Germany.

Personal Blog

Personal blog(jithinzachariah.in) where I write various articles on backend engineering.

EDUCATION

Bachelor's in Electronics Engineering Cochin University of Science and Technology, India.

LANGUAGES

English

Full Professional Proficiency

German

Elementary Proficiency

Malavalam

Native or Bilingual Proficiency

CERTIFICATIONS

Azure Certified: Solutions Architect

Azure Certified: Developer Associate

Azure Certified: DevOps Expert

Azure Certified: Fundamentals