

# Ripan Kumar

Senior Software Engineer | Security Check (SC) Cleared

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## PROFESSIONAL SUMMARY

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Experienced Software Engineer with over 10 years of expertise in building robust web applications. Proficient in building scalable applications and optimizing performance while adhering to best practices in software development. Passionate about writing clean, maintainable code with a strong focus on backend architecture, database design, performance optimization and collaborating with cross-functional teams to deliver high-quality software solutions.

## TECHNICAL SKILLS

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- **Languages:** Ruby, Python, SQL, JavaScript, HTML, CSS
- **Frameworks:** Ruby on Rails, Django, React, Kendo UI, Knockout.js
- **Databases:** PostgreSQL, MySQL, SQLite, SQL Server, DynamoDB, Truevault, Redis
- **Search Engines:** OpenSearch, Elasticsearch, PG Search, Thinking Sphinx
- **Cloud Services/Deployment:** AWS, Heroku, Digital Ocean, Dokku, Capistrano
- **CI/CD:** Circle CI, Bitbucket Pipelines, Buildkite
- **Methodologies:** Agile, Scrum, TDD, BDD
- **Logging and monitoring:** Datadog, Sentry, Amazon CloudWatch, Airbrake
- **Tools:** Docker, Bower, Jira, Git, GitHub, RSpec, Cucumber, Net-Results, Debounce, CustomerIO
- **Other Technologies:** GraphQL, RESTful APIs, JSON, WebSockets, SideKiq, Nginx, AnyCable, GDPR, GeoJSON, Google APIs, Twitter API, Facebook API, LinkedIn API, SubjectWell API, Leaflet

## PROFESSIONAL EXPERIENCE

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### Senior Software Engineer, Ministry of Justice (MOJ), UK

Mar2023-Sep2024

- Contributed to the development of a critical legal aid application system with very tight deadlines and complex requirements by centralising eligibility assessment to enable efficient delivery of legal aid services across LAA Digital.
- Delivered project on time, resulting in significant cost-savings for the department.
- Collaborated with UX/UI designers to implement responsive designs and improving user engagement.
- Documented technical architecture approaches and tracked tasks via Jira and confluence.

**Environment:** Ruby on Rails, Python, PostgreSQL, RSpec, Kubernetes, AWS, Docker, Git

### Senior Software Engineer, Seedrs Limited, UK

Feb2022-Mar2023

- Implemented RESTful APIs to support mobile applications
- Optimized application performance, reducing load times by 50% through caching strategies and query optimization.
- Migrated roles-based authorisation system to a robust and scalable authorization system for admin(s).
- Collaborated with cross-functional teams to define project requirements and deliver features on time.
- Documented technical architecture approaches and tracked tasks via Jira and confluence.
- Participated in code reviews and contributed to the team's development of coding standards and best practices.

**Environment:** Ruby on Rails, MySQL, RSpec, Redis, Sidekiq AWS, OpenSearch, Docker, Buildkite, Git

## Lead Backend Engineer, Raremark, UK

Nov2016-Jan2022

- Spearheaded the in-house development of software solutions.
- Built and re-architected Raremark's technology platform to support other products and identified the right tool for the job, resulting in significant cost-savings for the company.
- Converted a monolithic application to microservices.
- Designed and implemented RESTful APIs for seamless integration with third-party services.
- Closely worked with COO and CTO for efficient delivery of projects and features.
- Built an offshore team. Lead, managed and mentored team members

**Environment:** Ruby on Rails, Python, PostgreSQL, RSpec, AWS, ElasticSearch, Docker, Circle CI, React

## Senior Software Developer, Dentsu AEGIS Network, UK

Jul2011-Nov2016

ECOS Platform contains a set of web applications built for Out of Home (OOH) Media Advertising.

- **ECOS Maps Engine (CaseStudy)** - Spearheaded the ECOS Maps Engine project, significantly improving client decision-making speed on campaigns using Google Maps APIs by adding rich data to maps along with campaign locations.
- **AtTask Reports** - Developed task management and report generation tool for project managers
- **TV planner** - Optimized application performance
- **Nokia Spider** - Developed DFA tag analyser which analysis the DFA tags on all Nokia websites.
- **Tom Tom** - Developed a tool to capture XML Live feed received from TomTom at a designated time and then notify the media owners when there is a change.
- **Prism-tools** - Developed and maintained set of applications to manage digital advertising

**Environment:** Ruby on Rails, RSpec, SQL Server, Kendo UI, AngularJS

## Senior Software Developer, Ringley, UK

May2010-Jun2011

Developed "TheLink" web platform to replace Goldmine CRM System

**Environment:** Ruby on Rails, RSpec, MySQL, Nginx, Capistrano, Thinking Sphinx

## Software Developer, SmartSourcing Services Pvt. Ltd

May2008-Mar2010

- **Fitsmi** - Developed an application for science-based, healthy lifestyle program
- **MomsWorld** - Developed a survey tool to explore all of those gnarly moments in parenting

**Environment:** Ruby on Rails, MySQL, DB2, Nginx, Capistrano, Solr, Apache, Mongrel

## Ruby on Rails Developer, ThinkDRY Technologies Pvt. Ltd

Apr2007-Apr2008

- **Geroscopie** - Developed a job portal for work related to old people.
- **SponserPitch** - Developed a platform where people with ideas meet people with money

**Environment:** Ruby on Rails, MySQL, Apache, Mongrel, Capistrano, Ferret

## EDUCATION

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**Master of Engineering - Software Engineering**

Jul2004-Jun2006

**Bachelor of Technology - Computer Science and Engineering**

Jul1999-Jun2003

## CERTIFICATIONS

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- Sun Certified Programmer for JAVA 2 Platform edition 1.5 (SCJP 5.0)
- MS20480 - Programming in HTML5 with JavaScript and CSS3

## REFERENCES

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Available on request