

# Prakash Nandagopal

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## Profile

Experienced Software Engineer with a strong background in full-stack development, specializing in Node.js, React, AWS, and scalable system architecture. Skilled in optimizing systems across the SDLC, debugging complex issues, and improving efficiency. Adept at mentoring junior engineers and fostering technical growth within teams. Passionate about building high-impact, performance-driven applications. Skilled in designing, optimizing, and adapting solutions across various technology stacks, with a focus on high-impact, performance-driven applications

## Skills

### Backend technologies

Node.js, Python, RESTful APIs, Microservices, System Design, SQL, MongoDB

### Cloud & DevOps

AWS (including CloudFront, Edge Computing), Git, Terraform, GitHub Actions, Docker, CI/CD Pipelines

### Frontend technologies

JavaScript, React, TypeScript, HTML5, CSS

### Other

Debugging, Code Reviews, Mentoring

## Work Experience

### Software Engineer 2, Condé Nast ✕

Promoted to SE 2 from October 2022

11/2020 – 09/2024

Bengaluru, India

**Condé Nast** is a global media company with a portfolio of over **30 brands**, including **Vogue, The New Yorker, GQ, and Wired**. It creates **award-winning journalism, entertainment, and premium content** across digital, print, and video platforms.

### Spectra (Image Optimization Service)

- **Founding team member of Spectra**, shaping architectural decisions and delivering core development expertise, resulting in **80% annual cost savings**.
- **Designed and implemented performance optimizations**, enabling Spectra to **scale to serve over a billion images per month**.
- **Led end-to-end feature development** from **requirement analysis to deployment**, ensuring seamless delivery across all stages.

### Encore (Syndication Tool)

- Designed and developed critical components of the syndication tool, enabling **30+ global brands** to streamline content reuse across markets.
- Architected scalable solutions to enhance **content distribution efficiency**.
- Worked closely with stakeholders to **gather requirements and refine workflows**.
- Collaborated with product managers, designers, and engineers to **align technical solutions with business needs**.
- Mentored junior developers, conducted code reviews, and improved engineering best practices.

### Hreflang Generation System

- Developed a **scalable system** to automate **hreflang generation** for all **Condé Nast brands**, improving **international SEO and content discoverability**.
- Implemented logic to dynamically generate **hreflang tags** based on **language, region, and content mapping** across multiple global markets.
- Integrated the system into the **existing content pipeline**, ensuring seamless adoption across digital properties.
- Collaborated with **SEO specialists and content teams** to fine-tune implementation and maximize impact.

## Software Engineer, Valtech

Worked with Zee5, a leading digital entertainment platform from Zee Entertainment.

02/2019 – 11/2020

Bengaluru, India

- Developed key modules for the **Zee5 PWA**, enhancing performance for **70M+ monthly users**.
- Built **SSR modules, authentication flows, and reusable UI components**, improving site efficiency and maintainability.
- **Optimized application performance** using **WebPageTest and Lighthouse**, reducing load times and improving Core Web Vitals.
- Participated in **code reviews, requirement analysis, and mentoring junior engineers**.

## Other Experience, Trainee Engineer at Servion and Software Developer at Cronj

07/2017 – 01/2019

Bengaluru, India

- Assisted in **troubleshooting and debugging production issues**, improving system reliability.
- Worked with **JavaScript, Node.js** gaining hands-on experience in **full-stack development**.

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## Education

### MSc - Advanced Computer Science, University of Liverpool

2024 – present

- Focused on **cloud computing, machine learning, computational intelligence, and cybersecurity**.
- Key modules: **Cloud Computing for E-Commerce, Privacy & Security, Machine Learning, Efficient Algorithms, Computational Intelligence**.

### BE - Computer Science Engineering, Visvesvaraya Technological University

2013 – 2017

### Intermediate (PCM), DPUE, Karnataka

2011 – 2013

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## Achievements

### Winner – Conde Nast Hackathon 2024 (EEAT Analysis)

- Developed a solution for **EEAT (Expertise, Experience, Authoritativeness, Trustworthiness) analysis**, enhancing content evaluation.
- Led **prototyping and initial implementation architecture**, ensuring scalability and integration with existing workflows.
- Recognized by leadership for its **business impact and innovation**.

### Conde Nast Hackathon 2022 (Published Syndications Feature)

- Identified an opportunity to improve **content syndication across markets**.
- Proposed and outlined the **Published Syndications** concept, which was later **implemented and adopted**.
- Well received by leadership and users for its **strategic value in streamlining content reuse**.