

# MEGHANA KHUNTIA

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Passionate about designing and building scalable, high-performance applications with modern cloud technologies. Experienced in full-stack development, backend optimization, and deploying production-ready systems. Authorized to work in Canada, with PR in progress.

## SKILLS

- **Programming:** Java, JavaScript, TypeScript, Go, Python
- **Web Technologies/ Frameworks:** Spring, Node.js, React.js, .NET, SQL, PostgreSQL, MongoDB, DynamoDB, Maven, CMS, GraphQL API, Kafka, REST API, Webpack, Redux, Hooks, Next.js, Tailwind CSS, SAP UI5, NGINX, ESLint, Backstage
- **Others:** Git, Gerrit, Jest/ Cypress, Mocha, JUnit, AWS, Argo CD, Jenkins, Docker, SonarQube, Kubernetes, Docusaurus

## EXPERIENCE

### Software Developer Contract- Full Time | *SAP Labs Vancouver* | 07/2024 - Current

- Automated vendor website monitoring for security patches, releases into a centralized SAP platform with microservice architecture, reducing manual processes of finding security patches by 85% integrating with CVSS vector, NIST framework. (React.js, Springboot, PostgreSQL, Docker, cron, kubernetes, RestAPI, web scrapping)
- Build CI / CD pipelines for the application in Azure DevOps and optimize them to reduce build time by 20%.
- Developed optimized APIs with pagination, reduced load time by 30%, and simplified developer onboarding documentation using SharePoint and Swagger UI.
- Defined DoR and DoD's by integrating a robust email service to automate and customize stakeholder communications, ensuring timely updates within the application. Built a UI for bulk email retrieval and implemented a feature to display phishing emails with key highlights in a structured template.
- Provided peer reviews and feedback on improving code quality and reducing code smells by 80% using SonarQube.

### Research Assistant | *University of British Columbia* | 09/2022 - 07/2024

- Worked on a road design optimization problem for mining regions, with a particular emphasis on designing and developing a novel highly complex parametrized and precise fuel cost estimation model and linearizing it with an efficiency of 92% ([Read more](#)).

### Software Developer I | *Mckinsey & Company, India* | 02/2021 - 08/2022

- Designed and developed a scalable Pharmacy Portal for 2.5M+ customers with secure authentication, payment gateway, and insurance provider integration using (**Next.js (SSR), TypeScript, Node.js, Docker**).
- Implemented a scalable loyalty points collection system within the Strapi CMS for a major e-commerce client, enhancing customer engagement and retention. (**Strapi, Node.js, React.js**)
- Build a plug-in microservices architected banking application end to end, interacting with 3rd party APIs and collaborated with multiple banking clients across regions to build their infrastructure. (**React Native, NestJS, Kafka, GraphQL, Docker, PostgreSQL**)
- Integrated SonarQube to CI pipelines to implement best coding practices and documented technical knowledge for client developers.
- Built a developer-friendly application to automate backend server deployment, significantly reducing code complexity and setup time.

## EDUCATION

**University of British Columbia** | Masters in Science - Computer Science **4.33 GPA** 2022-2024

Coursework includes - Convex Optimization, Database Implementation, Parallel Computing, Advanced Algorithms, Blockchain Technology.

**Anna University** | Bachelor of Engineering - Computer Science **4.0 GPA** 2017-2021

## PROJECTS

- **University of Hana & Analytics - SAP** 2024 - Current  
Developed a platform to manage learning materials for new developers at SAP, enabling course registration and progress tracking. Integrated a LLM chatbot that suggested popular courses, answered FAQs, and provided course reviews. (ReactJS, ExpressJS, MongoDB, OpenAI, Oauth2, SharePoint Integration)
- [Crypto Emporium](#) 01/2023  
An NFT app for artists and collectors to engage with the exciting world of NFTs, empower creators, and allow collectors to own unique digital assets securely using Alchemy and Pinata services. (React.js, Node.js, Express.js, AWS - EC2, S3)
- **FireBackOps - Mckinsey & Company** 06/2022  
Developed an application that allows developers to create custom back-end servers with minimal code and hassle, featuring a collaborative UI and seamless GitHub integration for sharing, testing, and deployment.
- **Mckinsey Internal Hackathon** 07/2022  
Developed a conversational AI interface for a banking app (text & speech), enhancing user experience and accessibility for seamless banking interactions.

## PUBLICATIONS & HONORS

- [Master's thesis - Construction and linearization of fuel consumption models for mining roads](#)
- UBC Okanagan Graduate Research Scholarships 2022-2024
- Anna University Rank Holder (Undergrad)