DAKSH SHARMA

Full-Stack Software Engineer | AI Builder | Canadian Citizen | Based In The USA

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EXPERIENCE

Software Engineer II [Internally Promoted] (Full-stack)
Amazon (Performance Evaluations 🔗)

📅 June 2020 – Present   📍 Seattle, USA & Vancouver, Canada

- Design and build RAG-based, highly available, secure, scalable, distributed Artificial Intelligence systems in a microservices architecture
- Engineer E2E GenAI infrastructures like Chat Bots, Summarisations, Feedback Analysis, coordinating with Applied & Research Scientists
- Own the DevOps during on-calls and maintain the systems based on real-time customer data and demanding service-level agreements
- **Learnings: AWS Bedrock, Prompt Engineering, Distributed Computing, CI/CD, Security (AuthZ/N), Architecture & Backend Design, & DevOps**

Software Engineer (Cloud & Containerization)
Orbis Investments (Recommendation Letter 🔗)

📅 May 2019 – Aug 2019   📍 Vancouver, Canada

- Built a .NET Global C# CLI tool to containerize an organization-wide microservice using Docker for scalability & cost-efficiency.
- Evaluated the impact of deploying the microservice to AWS EKS vs. in-house servers using benchmarked performance and bandwidth tests.
- **Learning: Cloud Deployment (AWS & Kubernetes), Containerization (Docker), Frontend Design (Angular), REST APIs, & .NET (C#)**

Software Engineer (Embedded Hardware Programming)
Verity Studios (Recommendation Letter 🔗)

📅 Jan 2018 – Jul 2018   📍 Zurich, Switzerland

- Developed firmware for a custom hardware platform in C++ to facilitate the downloading of drone flight telemetry logs, ensuring robust data collection and reliability.
- Designed and implemented a multi-layered communication protocol on top of UDP, which resulted in a 99% reduction in end-to-end data corruption during transmission, enhancing data integrity.
- **Learning: Async Programming (C++), Protocol Design, Data Analytics (Python), Version Control (Git), & Automation (Jenkins & Cron)**

Teaching Assistant (Systematic Program Design)
UBC Computer Science Department (Recommendation Letter 🔗)
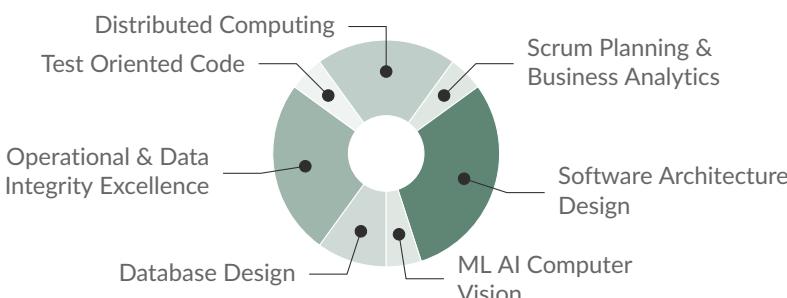
📅 Sept 2018 – April 2019   📍 Vancouver, Canada

- Mentored 150+ students by providing hands-on guidance in debugging, optimizing algorithms and design patterns, and structuring codebases.

KNOWLEDGE LANDSCAPE

Distributed Computing
Test Oriented Code
Operational & Data Integrity Excellence
Database Design
Scrum Planning & Business Analytics
Software Architecture Design
ML AI Computer Vision
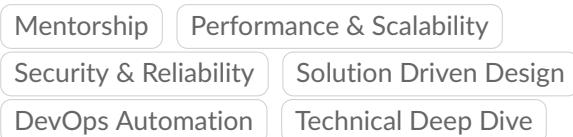
I AM...

"I am a full-stack software engineer with 6+ years of experience building scalable high-performance systems. From a startup in Europe to a corporate environment in North America, I thrive on ownership, optimizing systems, and driving impactful products from concept to deployment."

STRENGTHS

Mentorship   Performance & Scalability
Security & Reliability   Solution Driven Design
DevOps Automation   Technical Deep Dive

LANGUAGES

Java/C/C++/C#
JS/TS/Python
HTML/CSS/SQL

EDUCATION

BSc. Computer Science (Distinction)
University of British Columbia (UBC)

📍 Vancouver, Canada

🎓 *91% | A+ | Top 3% Percentile (Link 🔗)*
💬 *Valedictorian Speaker (Link 🔗)*

SCHOLARSHIPS @ UBC

🏅 **International Leader of Tomorrow** 🔗
$250,000. Extremely selective full ride offered to 20 students per year based on academic and extracurricular achievements.

🏅 **Trek Academic Excellence** 🔗
$12,000. Scholarship offered to top 5% of undergraduate students.

🏅 **Dean of Science Honor** 🔗
$5,000. Scholarship offered based on Professor recommendations to Dean's office.

🏅 **Faculty of Science Honor** 🔗
$10,000. Scholarship offered based on engagement with faculty via research.