

SOMADITYA BASAK

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EXPERIENCE

DataAnnotation

Remote

Independent Contractor

May 2026 – Present

- Designed, built, and containerized rigorous testing environments to evaluate and benchmark the capabilities of frontier AI models acting as autonomous software engineering agents.
- Acted as an adversarial engineer by creating complex, multi-layered programming defects and feature requirements to intentionally surface reasoning failures, tooling limitations, and instruction-following deficiencies in advanced coding models.
- Languages and technologies used included Java, Spring-Boot, Microservices, Python, SQL, Docker, Docker Compose, Git and Bash.
- Leveraged agentic AI Tools including but not limited to Claude Code, Gemini-CLI, Codex, OpenAI API Platform, OpenCode and OpenClaw.

Amdocs

Pune, India

Software Developer - Advanced Technology

January 2021 – February 2024

- Software developer in CANOPI (Converged AT&T Network Operations Provisioning and Inventory) team.
- Developed telecommunication provisioning and inventory workflows for a 5G integrated network automation platform.
- Collaborated with system architect to refactor legacy code, achieving >80% test coverage and reduced technical debt.
- Leveraged skills in multiple technologies like BPMN, Java, Python, SQL, JavaScript, REST API, XML etc. as part of the role.
- Wrote Python scripts to automate code generation for cron jobs that trigger Oracle PL/SQL stored procedures.

Bitwise

Pune, India

Systems Analyst

January 2020 – July 2020

- Software developer for Hydrograph, a GUI-based rapid ETL development tool used by Capital One, USA.
- Utilized Java, Spark, Python, AWS, etc. as part of the role and rapidly acquired new skills in data engineering.
- Investigated and fixed a critical file writing concurrency bug in the AWS S3 output destination plugin of Hydrograph.

Tech Mahindra

Pune, India

Senior Software Engineer

January 2016 – August 2016

- Integrated components of a new telecommunication order management platform using AT&T Java Service Container.
- Strengthened skills in Java, Spring Boot, REST API, MySQL, MongoDB, Kafka, Redis, and microservice architecture.

Software Engineer

July 2013 – January 2016

- Developed and maintained network testing software for AT&T Uverse IPDSL service using XQuery, XSD, SOAP, WSDL, etc.
- Wrote Python scripts to automate conditional data extraction from sizable spreadsheets and CSV files.
- Fast-tracked for early promotion in recognition of achieving 100% on-time and defect-free delivery.

Associate Software Engineer

July 2012 – July 2013

- Developed trouble ticket management workflows for AT&T services like Cloud, WAN, VoIP, VPN, etc. using ActiveVOS.
- Received recognition for overcoming several limitations of the development platform using custom code extensions.

EDUCATION

Master of Science in Computer Science - Online Campus (Part-Time)

Atlanta, USA

Georgia Institute of Technology

August 2025 – In progress

- Specialization: Artificial Intelligence

Bachelor of Technology

Kolkata, India

West Bengal University of Technology

August 2007 – July 2011

- Major: Instrumentation and Control Engineering

PROFESSIONAL CERTIFICATIONS

Data Structures and Algorithms | Georgia Institute of Technology

February 2025

- <https://credentials.edx.org/credentials/3f1d2febe7ed433a88605550007f74eb/>

Introduction to Object-Oriented Programming with Java | Georgia Institute of Technology

January 2024

- <https://credentials.edx.org/credentials/7979fb73beca41148748a443f82dec0/>

Azure Data Fundamentals | Microsoft

April 2023

- <https://learn.microsoft.com/en-us/users/somadityabasak-7189/credentials/3dc70d71e3310c07>

Introduction to Python Programming | Georgia Institute of Technology

January 2022

- <https://credentials.edx.org/credentials/64a86e8ff153466ab9d451be0ffc4b71/>

SKILLS

Agentic AI Tools: Claude Code, Gemini-CLI, Codex, OpenCode, OpenClaw

Languages: Java, Python, SQL, HTML, CSS, XQuery

Databases: Oracle, MySQL

Frameworks and Libraries: Spring Boot, Spring Data JPA, NumPy, Pandas

Miscellaneous: REST, SOAP, Git, Linux, Bash, Docker, Docker Compose