Namrata Bhaumik

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Technical Skills

Languages: Python, Javascript, Java, C#, Bash, HTML, CSS
Technologies: Django, FastAPI, Flask, Pydantic, Node.js, React, jQuery, OAuth, JWT, Firebase, PyTest (unit + integration), Android Studio, Unity, Oculus, Git, Agile, Jira, Kanban, REST, Netlify, PowerBI, Tableau, Figma, D3.js, Data Visualization
Databases: BigQuery, Firestore, MySQL, Postgresql, MongoDb, Elasticsearch
Cloud & DevOps: GCP, Docker, Terraform (IaC), GitLab CI, AWS, Azure, Github Actions, Jenkins, Linux, Shell Scripting

Experience

Publicus   April' 25 - June' 25
Software Engineer (Backend)   *Toronto, ON, Canada*
- Collaborated directly with founders to lead backend migration from **monorepo** to modular **polyrepo microservices** based modular architecture in **Python**, **FastAPI**, and **GCP** (Firestore, BigQuery, Cloud Function, Cloud Run, Pub/Sub, Cloud Build, GAR, WIF), implementing **GitLab CI/CD**, **Docker**, **Terraform** and contributed to writing testing suite.
- Accelerated feature delivery using **LLMs**, **LRMs** and AI-assisted tools (**Cursor IDE**, **NotebookLM**) for rapid prototyping, code generation, and documentation; maintaining agile operations across **Slack** and **ClickUp**.

Dalhousie Transportation Collaboratory (DalTrac)   September' 24 - December' 24
Software Developer   *Halifax, NS, Canada*
- Collaborated with multidisciplinary teams including designers and researchers to develop a **Virtual Reality** simulation game using **Unity**, **Oculus SDK** and **C#** to analyze pedestrian behavior during fire evacuations in Downtown Halifax.

Cerner Corporation (Oracle Health)   July, 2021-July, 2023
Software Engineer I   *Bangalore, India*
- Leveraged **Elasticsearch** to optimize Cerner wiki page searchability, reducing onboarding time by 40% for new hires
- Integrated RAPID APIs into **MySQL** data pipelines and optimized **PostgreSQL** queries boosting performance by 20%
- Took full ownership of **Python-Django** automation framework from designing to implementing, and scaling to support 430+ solutions, reducing clinical data turnaround time by 5 days
- Designed interactive **Power BI** dashboards using **PowerQuery** for training schedules, enhancing usability by 50%

Cerner Corporation (Oracle Health)   Jan, 2021-July, 2021
Software Engineer Intern   *Bangalore, India*
- Built a **RESTful** API backend in **Java** and **Spring** for **GitHub** issue management, reducing resolution time by 40%.

VAP Technology Pvt. LTD.   May, 2019-June, 2019
Software Engineer Intern   *Kolkata, India*
- Engineered an **Android** application with CRUD functionality using **Java** and **Android Studio**.

Projects

DalVacationHome (AWS, GCP, Node.js, React.js): A cross-cloud event-driven distributed system using AWS IAM, Lambda, Cognito, Dynamodb, S3, Lex, SNS/SQS, CloudFormation, GCP Pub/Sub, Functions, Cloud Run and IaC (Terraform, Docker).
BlogIt (React.js, Flask, Mongodb, Firebase): Developed a full-stack blogging platform implementing secure authentication, RESTful APIs, and dynamic content management for a seamless user experience.
Mealmate (Android Studio, Java, Firebase): An Android app for meal planning, recommending and sharing recipes.
ExpenseTrackerExtended (AWS,GCP, Github Actions): Expense management platform integrating React (Firebase deployed) frontend, Django (GCP Cloud Run deployed) backend, AWS Cognito authentication, DynamoDB, S3, and automated CI/CD (GitHub Actions); features end-to-end deployment and robust testing.

Certifications

AWS Certified Cloud Practitioner   **Microsoft Certified Azure Fundamentals**

Education

Dalhousie University   September '23 - December '24
Master of Applied Computer Science (GPA: 3.95 / 4.30)   *Halifax, NS, Canada*

SRM Institute of Science and Technology (SRMIST)   2017-2021
Bachelor of Technology - Computer Science and Engineering (GPA: 8.69 / 10.00)   *Chennai, India*