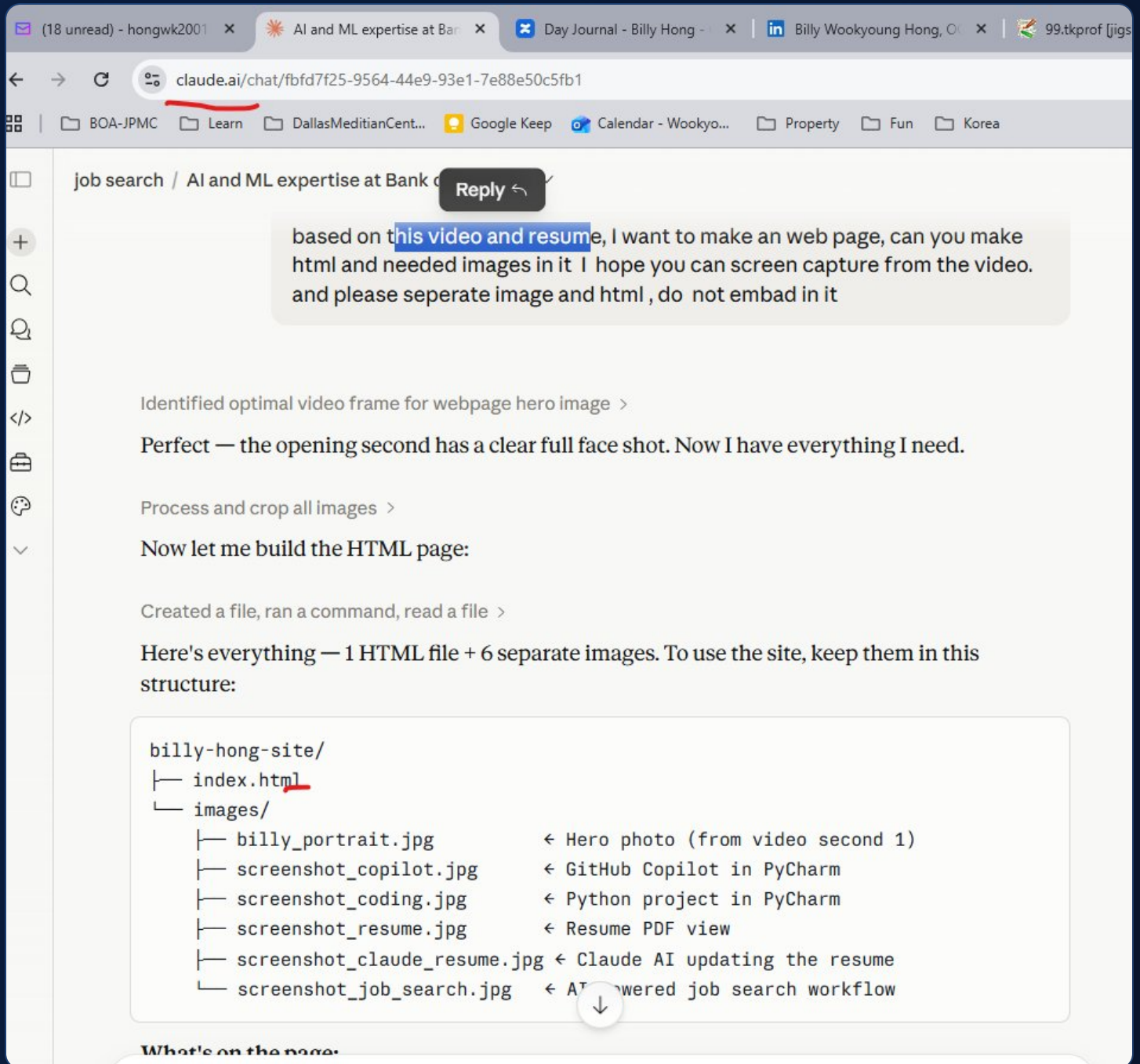




● Available for new roles · Carrollton, TX

Billy Wookyoung
Hong, OCP PMP

Senior Database & Software Engineer with 20+ years of experience — now leading with **AI-augmented development** using GitHub Copilot and certified in applied ML at Bank of America.

[Python](#)

[PL/SQL · T-SQL](#)

[AWS Glue · S3](#)

[GitHub Copilot](#)

[AI/ML Certified · BOA](#)

[OCP · PMP](#)

[Get in Touch](#)

[📄 View Resume](#)

[Experience ↓](#)



20+

Yrs Exp

100+

AI/ML Hrs

5+

Certs



AI-Augmented Engineer

Currently at Bank of America (via Dexian), using GitHub Copilot and AI coding agents as core // [billy-hong.dev](#) building Python applications, optimizing Oracle and SQL Server databases, and modernizing legacy systems with AI-assisted code review.

100+

Hours · BOA AI/ML
Training Program

ABOUT ME

A developer who bridges **data depth** with **modern AI**

I am a certified database developer with deep expertise in **Oracle PL/SQL, Python, SQL Server**, and big data platforms. My career spans OLTP/OLAP systems, ETL architecture, healthcare compliance, toll processing, and ERP — across companies like JPMorgan Chase, Samsung, LG Electronics, and Ericsson.

What makes me different today: I do not just write code — I **leverage AI tools to write better code, faster**. At Bank of America I completed a rigorous 100+ hour AI/ML certification program and use GitHub Copilot every day to accelerate development, debug Python-to-database connectivity, and generate technical documentation.

I am based in **Carrollton, TX** and currently on assignment at Bank of America through Dexian. I am open to senior engineering and database architect roles where I can bring both deep legacy knowledge and modern AI fluency.

Billy Wookyoung Hong, OCP, PMP

Proven Database & AI-Augmented Development Expert · Python · AWS · Oracle

Carrollton, TX · (201) 657-0810 · hongwk2001@yahoo.com · linkedin.com/in/billywookyoung-hong

SUMMARY

Certified and experienced Database Developer with extensive expertise in OLTP/OLAP systems, healthcare, Oracle PL/SQL, and MS SQL Server. Proven problem solver and leader with multiple certifications from diverse providers. Actively integrating AI tools (GitHub Copilot, AI coding workflows), and completed a rigorous 100+ hour AI/ML training program at Bank of America to AI-driven modernization.

EXPERIENCE

Dexian (on assignment at Bank of America)

Software Engineer — Python & AI/Database Specialist

April 2025 – Present · Plano, TX

■ **AI-Augmented Engineer: Completed Bank of America's internal AI/ML Training Program**
applied AI/ML at enterprise scale · Integrates GitHub Copilot and AI coding agents as

Claude

+ New chat

🔍 Search

💬 Chats

📁 Projects

</> Code

🛠️ Customize

🎨 Design

▼ More

← All projects

job search

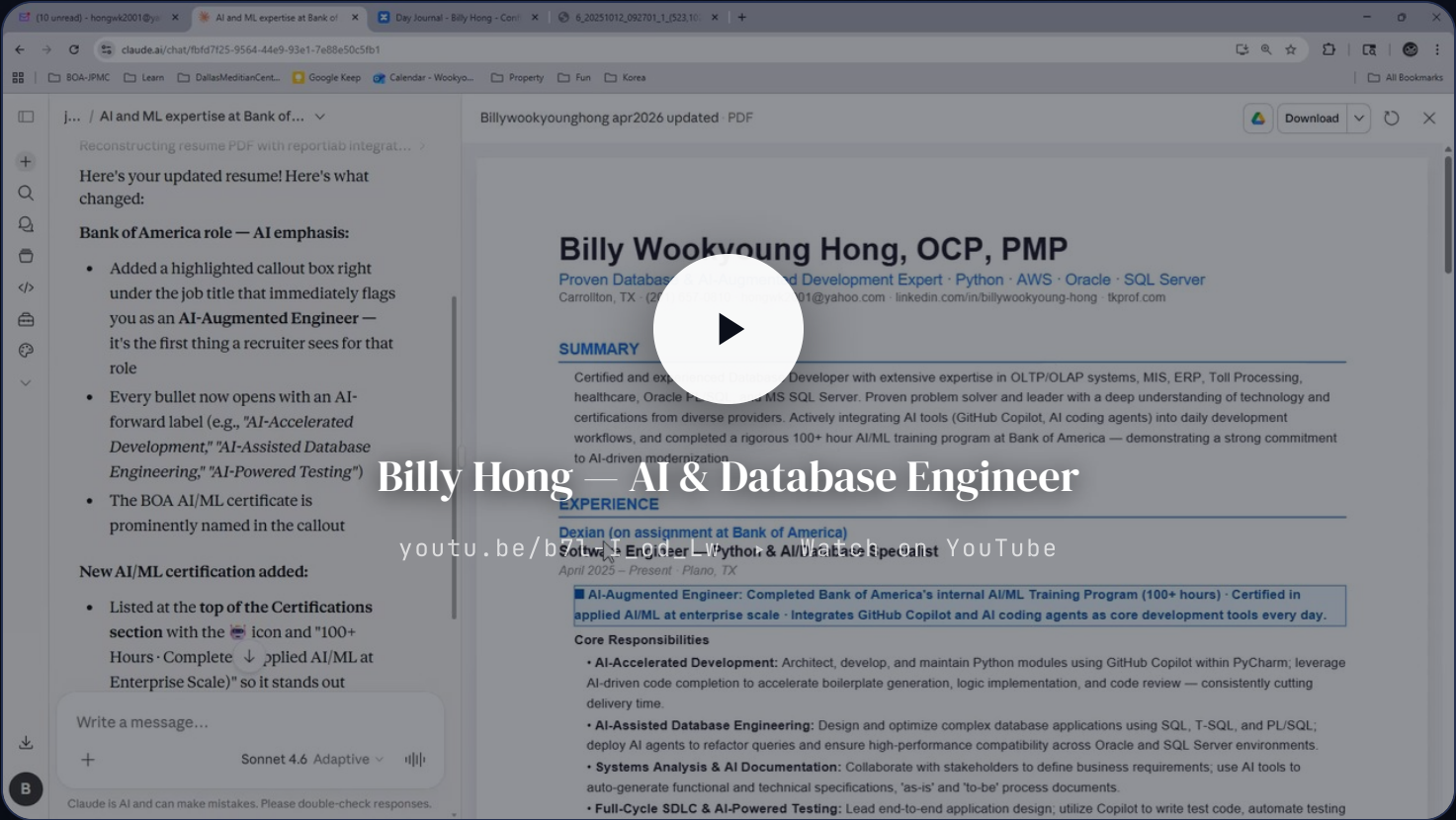


// AI-powered job search workflow in Claude

Recents

WATCH THE WALKTHROUGH

See the Work in Action



Billy Hong — AI & Database Engineer

youtu.be/b51111111111 Watch on YouTube

A full walkthrough of Billy's AI-augmented workflow — resume building, GitHub Copilot usage, Python development, and job search automation with Claude AI.

CAREER TIMELINE

Experience

Dexian · Bank of America

Software Engineer — Python & AI / Database Specialist

Apr 2025 – Present
Plano, TX

- › **AI-Accelerated Development:** Architect and maintain Python modules using GitHub Copilot in PyCharm — AI code completion cuts delivery time.
- › **AI-Assisted Database Engineering:** Design and optimize SQL, T-SQL, and PL/SQL; use AI agents to refactor queries across Oracle and SQL Server.
- › **Systems Analysis & AI Docs:** Use AI tools to generate functional and technical specifications from business requirements.
- › **AI-Powered Testing:** Write test code and automate testing procedures with Copilot assistance.
- › **Legacy Modernization:** Upgrade existing applications with modern Pythonic standards and AI-suggested optimizations.

 BOA AI/ML Certified • 100+ Hours

JPMorgan Chase & Co.

Sep 2020 – Apr 2025

Plano, TX

Software Engineer — Data Technology

- › Orchestrated daily ETL jobs with Control-M; ingested data via Python, Spark, and Hadoop.
- › Maintained data quality and metadata using REST APIs.
- › Migrated ETL processes from Hortonworks to **AWS Glue**.

Vizient, Inc.

Apr 2019 – Sep 2020

Application Developer — ETL

- › Developed ETL applications in Oracle PL/SQL; ensured healthcare regulatory compliance.
- › Built Oracle Apex applications for master data management.

Ansira • ETC • Ericsson • Samsung SDS • LG Electronics

2004 – 2019

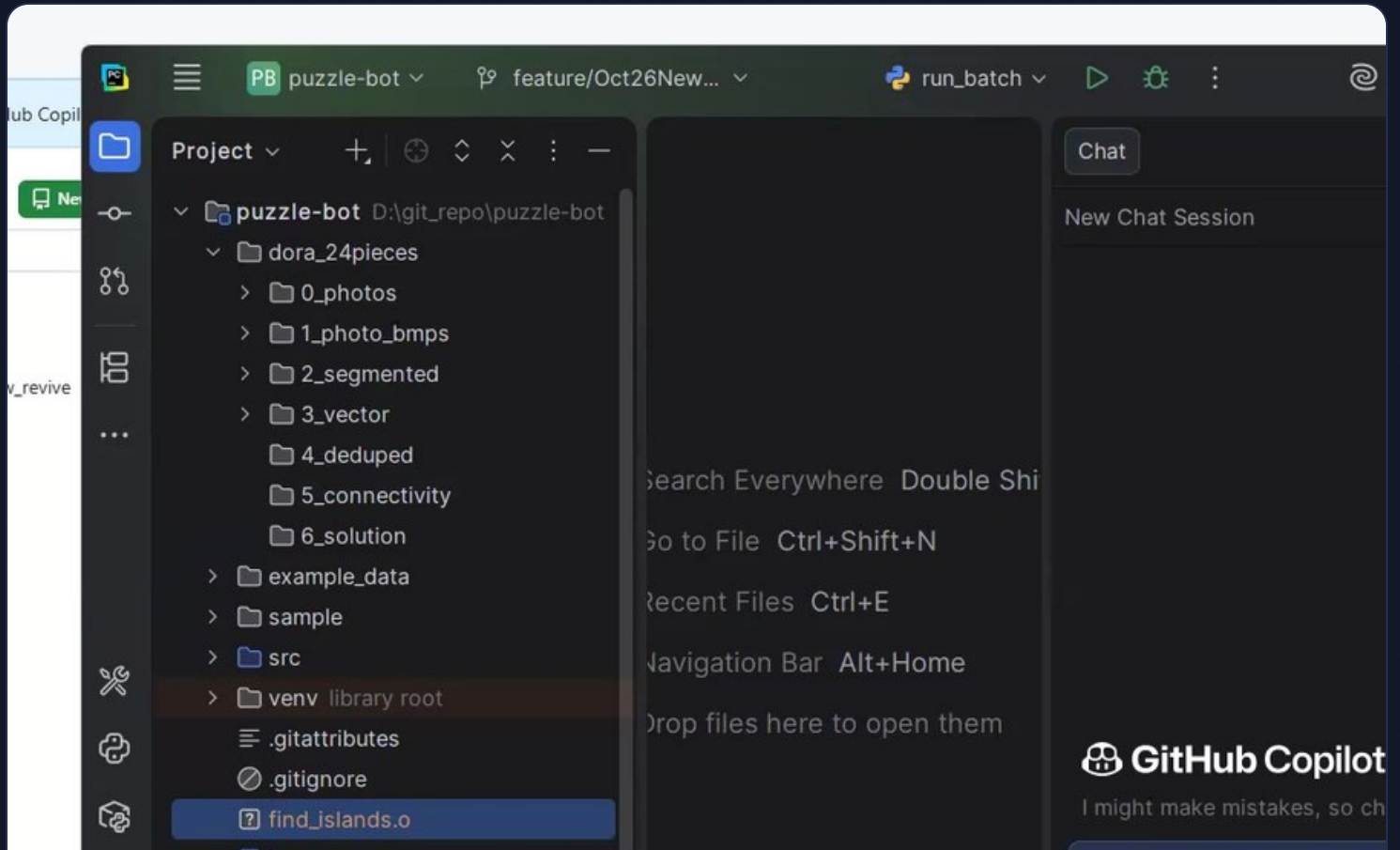
Senior Database Developer / System Analyst

- › 15+ years across marketing databases, toll industry back-end, telecom, and ERP systems.
- › Deep expertise in Oracle PL/SQL, SSIS, Pro*C, Java, UNIX scripting, and advanced queue systems.

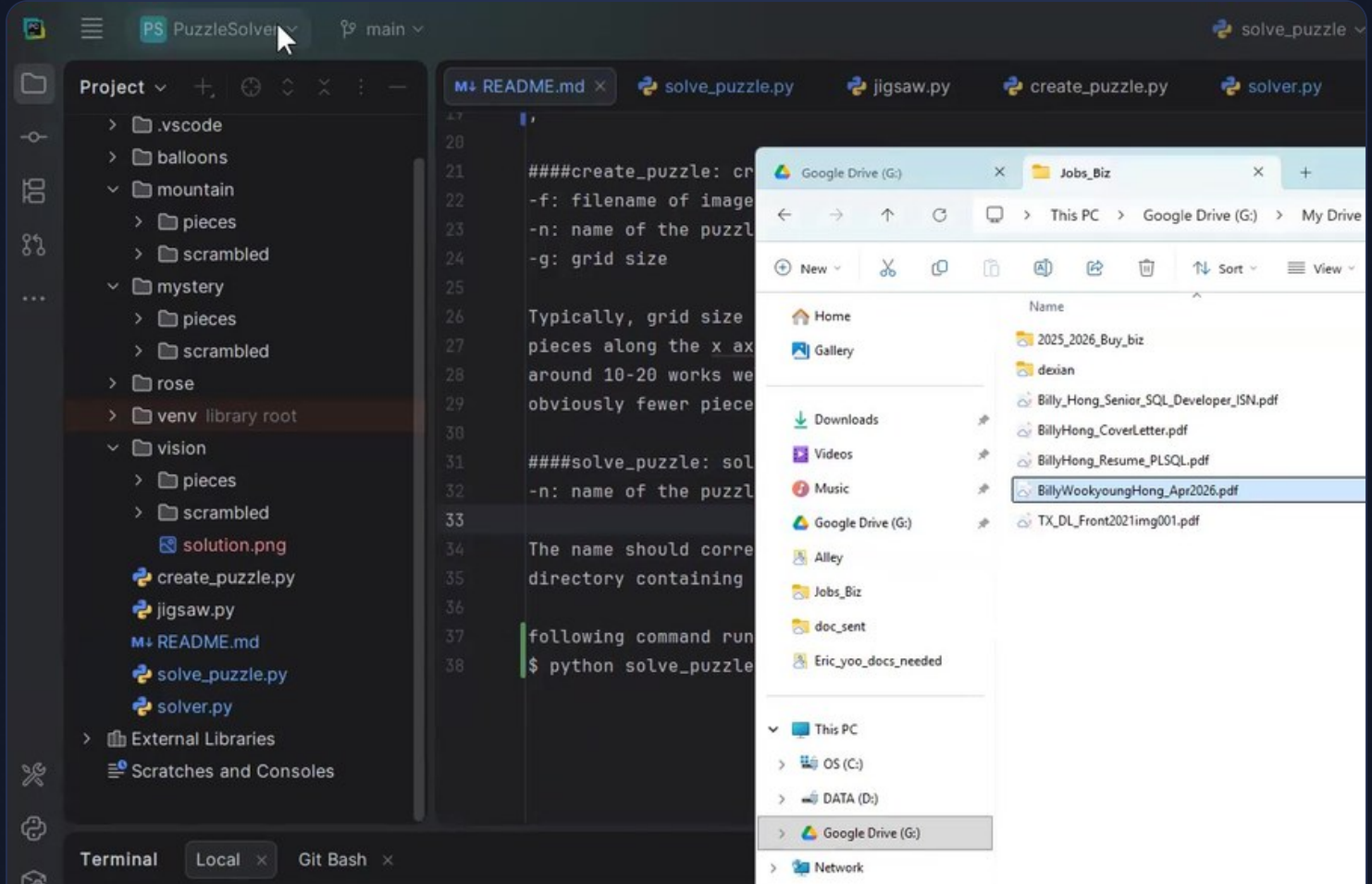
› Data modeling, PCI-compliance scripting, and high-availability architecture.

SCREENSHOTS FROM BILLY'S WALKTHROUGH VIDEO

Work in Action



```
// GitHub Copilot integrated in PyCharm – AI chat panel assists with Python project development
```



// PuzzleSolver Python project – AI-assisted development in PyCharm

